



WORLDSTAR GLOBAL PACKAGING AWARDS

2024 Official Winners Guide

WORLDSTAR 2024 WINNERS

15 JUNE 2024
Bangkok - Thailand

**PROPAK
ASIA**

APPLY FOR WORLDSTAR 2025 TO GET YOUR GLOBAL RECOGNITION



WorldStar Awards 2025

Open for Entry **10 Jul 2024**
Deadline **15 October 2024**
Judging **November 2024**

Apply online www.worldstar.org

 @WorldStar Awards



Soha Atallah
WorldStar Coordinator
WPO Vice President, Marketing
s.atallah@worldpackaging.org
The WorldStar Awards are administered
on behalf of WPO by LibanPack,
Lebanon.



2024 OFFICIAL WINNERS GUIDE

WELCOME MESSAGE, PRESIDENT



Welcome to the renowned WorldStar Global Packaging Awards Ceremony 2024 and to the Winners' Guide: a WPO - World Packaging Organisation's special tribute honoring the global packaging industry's most groundbreaking achievements.

As WPO President, I'm thrilled to introduce you, on behalf of all WPO Board Members, the latest packaging innovations from around the globe. These innovations are pushing boundaries at industrial, retail, and consumer levels, reshaping the packaging landscape for greater sustainability, efficiency, performance, design, and user experience.

The world's most cutting-edge packaging innovations are gathered here on this global stage. We'll delve into the multiple aspects where packaging plays a key role in our modern lives, serving society and supporting our ambitious journey towards a moonshot of packaging excellence.

Going further, selecting the President's Award winners was a great privilege – an honor, yet a challenge considering the incredibly bold and innovative WorldStar entries. The winning packaging inspires us to adopt a design-thinking approach to products and their packaging, exploring their potential to transform and optimize the consumption chain.

I take this opportunity to congratulate the packaging professionals driving this evolution and inspiring for future perspectives, converters for investing constantly in new technologies and fostering collaboration, and brands for pushing packaging beyond and transforming the consumption landscape, having people and the planet in its center. Welcome to the WorldStar stage! Together we build one voice for packaging!

Time to celebrate great achievements in a prestigious ceremony at Propak Asia, Thailand! Enjoy!!

LUCIANA PELLEGRINO

PRESIDENT
WORLD PACKAGING
ORGANISATION

TABLE OF CONTENTS

WELCOME MESSAGE BY WPO PRESIDENT	3
ABOUT WPO / LEADERSHIP	4
ABOUT WORLDSTAR	6
WPO EDUCATION AROUND THE WORLD	10
LIFETIME ACHIEVEMENT AWARD	11
WORLDSTAR WINNERS	12
AUSTRALIA AND NEW ZEALAND TO GREECE	13 - 41
HUNGARY TO SLOVAKIA	41 - 59
SOUTH AFRICA TO USA	60 - 72
WORLDSTAR SPECIAL CATEGORIES	73 - 82
PRESIDENT'S AWARD	73
PACKAGING THAT SAVES FOOD	75
SUSTAINABILITY AWARD	77
MARKETING AWARD	79
ACCESSIBLE AWARD	81
WORLDSTAR STUDENT AWARD	83



Production Editor
Soha Atallah
s.atallah@worldpackaging.org
www.worldstar.org

Designer
Roni Mounzer
info@worldstar.org

Copyright 2024 ©. All rights reserved. No part of this publication may be reproduced in any way without written permission from the publisher. All views and opinions expressed are not necessarily those of WPO.

The WorldStar Awards are administered on behalf of WPO by LibanPack, The Lebanese Packaging Center.



ABOUT WPO



“Better Quality of Life through Better Packaging for More People.”

WPO World Packaging Organisation is a non-profit, non-governmental, international federation of packaging institutes, associations, federations and other interested parties including corporations and trade associations.

Founded in 1968 on the occasion of the second Japanese International Packaging Exhibition, the World Packaging Organisation is made up today of member organisations from over 68 countries. Many members are packaging institutes; other significant members are national or regional trade Organisations that promote their countries’ packaging products.

In recent years, WPO has focused on packaging in developing nations.

With headquarters in Vienna (Austria), the entity promotes projects and actions aligned to its main slogan “Better Quality of Life through Better Packaging for More People.” With that mission in mind, WPO encourages the development of packaging technology, science, sustainability, packaging that saves food, food security and smart packaging solutions: stimulation of international trade, and the advancement of packaging education and training.

Visit www.worldpackaging.org for further information about WPO.



EXECUTIVE BOARD



President
Mrs. Luciana Pellegrino
Brazil
l.pellegrino@worldpackaging.org



Vice President, Marketing
Ms. Soha Atallah
Lebanon
S.atallah@worldpackaging.org



General Secretary
Dr. Johannes Bergmair
Austria
J.bergmair@worldpackaging.org



Vice President, Governance
Mr. Magnus Sidling
Sweden
m.sidling@worldpackaging.org



Vice President, Sustainability and
Save Food
Mrs. Nerida Kelton
Australia
Nerida@worldpackaging.org



Vice President, Education
Mr. Kofi Essuman
Ghana
k.essuman@worldpackaging.org



Head of Secretariat
Ms. Nathália Antoniazzi
Brazil
info@worldpackaging.org



Press & Communication Officer
Ms. Liliam Benzi
Brazil
l.benzi@worldpackaging.org

AMBASSADORS



Mr. Chakravarthi AVPS
India
Chakravarthi.avps@worldpackaging.org



Mr. Ahmed Alex Omah
Nigeria
ahmed.omah@africanpackaging.org



Mrs. Tuti Buntaran
Indonesia
tutibuntaran19@gmail.com



Mr. Silvio Colombo
Argentina
silvio.colombo@envase.org



Ms. Iva Werbynská
Czech Republic
iva.werbynska@syba.cz

ABOUT WORLDSTAR



**WORLDSTAR
GLOBAL
PACKAGING
AWARDS**

Since 1970, the World Packaging Organisation has been organizing WorldStar awards and providing awards to numerous packs from all around the world. The WorldStar Competition is one of the major events of the World Packaging Organisation (WPO) and is the pre-eminent global award in packaging. WorldStar illustrates the continual advancement of the state of packaging design and technology and creates a living standard of international packaging excellence from which others may learn. Each year WPO is recognizing the best of the best in packaging innovations from across the globe. The objective of WPO in organising WorldStar is to increase awareness on the importance of packaging in having a better life and to recognize the innovation and efforts of brand owners, designers, students and branding agencies for creating packaging solutions of the future and in responding to new challenges and global trends such as sustainability, hygiene and other trends.



GET YOUR GLOBAL RECOGNITION

by applying to the pre-eminent international award in packaging.

www.worldstar.org

 @WorldStar Awards



ENTRIES & WINNERS BY COUNTRY FOR WORLDSTAR 2024

No.	Country	2024 Entries (435)	Winners 2024 (212)
1	Japan	57	28
2	Germany	33	21
3	Australia & New Zealand	32	16
4	Brazil	28	11
5	India	25	10
6	China	24	8
7	Austria	22	11
8	Czech Republic & Slovakia	20	10
9	USA	18	12
10	Spain	18	8
11	South Korea	15	9
12	Lebanon	14	5
13	Hungary	12	6
14	Finland	12	9
15	Greece	9	3
16	Poland	9	3
17	Thailand	8	4
18	South Africa	7	5
19	Italy	7	3
20	Singapore	7	3
21	Israel	7	2

No.	Country	2024 Entries (435)	Winners 2024 (212)
22	Ukraine	5	3
23	Tunisia	5	3
24	Palestine	5	1
25	Switzerland	4	3
26	Sweden	4	4
27	Egypt	4	1
28	Denmark	3	2
29	United Arab Emirates	3	1
30	Türkiye	2	1
31	Sri Lanka	2	0
32	Canada	2	1
33	Colombia	2	1
34	Jordan	2	1
35	France	2	1
36	Norway	1	0
37	Mexico	1	0
38	Netherlands	1	0
39	Latvia	1	1
40	Portugal	1	1
41	Yemen	1	0

JUDGING CRITERIA FOR WORLDSTAR MAIN CATEGORIES



Protection and Preservation of Contents



Sales Appeal: On-Pack Branding / Marketability



Ergonomics



Quality of Execution



Sustainability



Cost Reduction, Economy of Material, and Cost Saving



Ease of Handling, Filling, Closing, Opening and Reclosing



Creativity and Innovation

WHY TO PARTICIPATE



- Prestige - gain worldwide recognition - your pack will be noticed by some of the biggest packaging buyers in the world and all over the packaging media.
- Entering gives you a great opportunity to impress new and current clients.
- Use the winner's logo on your own promotional material and stand out from your competitors.
- Receive the award at a world class awards presentation ceremony & gala dinner.
- Receive a complimentary trophy and certificate to display for all your customers to see.





MEET THE INTERNATIONAL JUDGING PANEL OF WORLDSTAR 2024



Ms. Nerida Kelton
Executive Director, AIP/ WPO Vice President Sustainability & Save Food
Australian Institute of Packaging
AUSTRALIA & NEW ZEALAND



Mr. Ernst Krottendorfer
Managing Director
Packforce Austria
AUSTRIA



Mrs. Luciana Pellegrino
WPO President
Director of ABRE
ABRE – Brazilian Packaging Association
BRAZIL



Ms. Mariana Soto
Gerente General
CENEM
CHILE



Mr. Wang Guanzhong
Vice Secretary-General
CPF
CHINA



Mrs. Li Ling
Director of the International Department
CEPI
CHINA



Ms. Drena Tejić-Milijević
Managing Director
Institute of Packaging and Graphic Arts Tectus - latT
CROATIA



Ms. Miriela Valle Cepero
Advisor
Centro Nacional de Envases y Embalajes
CUBA



Ms. Iva Werbynská
Managing Director
Czech and Slovak Packaging Institute SYBA
WPO Ambassador
CZECH REPUBLIC



Mr. Nadim Elias
Chairman of the Egyptian chamber of printing and packaging industries
EGYPT



Mr. Antro Säilä
CEO
The Finnish Packaging Association
FINLAND



Mr. PELTIER Fabrice
Designer
INDP
FRANCE



Ms. Kim Cheng
Managing Director
German Packaging Institute dvi
GERMANY



Mr. Kofi Essuman
Executive Member
Institute of Packaging, Ghana
WPO Vice President , Education
GHANA



Mr. Dimitris Mandis
Chairman
AGMPM
GREECE



Mr. Miklós Nagy
Secretary General
Hungarian Association of Packaging (and Materials Handling) CSAOSZ
HUNGARY



Mr. Shekhar Amberkar
Assistant Director & Head,
International Packaging Centre
Indian Institute of Packaging
INDIA



Ms. Ariana Susanti
Business Development Director
Indonesia Packaging Federation
INDONESIA



Mr. Afshin Fakhr
CEO
Iranian Institute of Packaging
IRAN



Mr. Abdullah Adnan Abdulkarim
Director
National Center for Packing and Packaging
IRAQ



Ms. Shira Rosen
Chairwomen of the Israeli packaging institute and CEO of Packtech.co.il
Israeli Packaging Institute
ISRAEL



Ms. Alessandra Alessi
Communication Manager
Istituto Italiano Imballaggio
ITALY



Mr. Takehiro Kaneko
Manager
Japan Packaging Institute
JAPAN



Mr. Yousef Abu Atieh
General Manager
Jopack
JORDAN



Mr. Joseph Nyongesa
CHIEF EXECUTIVE OFFICER
Institute of Packaging Professionals Kenya
KENYA



MEET THE INTERNATIONAL JUDGING PANEL OF WORLDSTAR 2024



Ms. Iveta Krauja
CHAIR(WO)MAN OF BOARD
Packaging Association of Latvia
LATVIA



Mrs. Soha Atallah
Director of LibanPack,
WPO Vice President, Marketing
LibanPack
LEBANON



Mr. Corné Huijben
Manager Gouden Noot
NVC
NETHERLANDS



Mr. Ahmed Alex Omah
Executive Director
Institute of Packaging
Professional Nigeria
WPO Ambassador
NIGERIA



Ms. Kari Bunes
Managing Director
The Norwegian Packaging
Association
NORWAY



Mr. Ayman Sbeih
Secretary General
Palestinian Federation for Paper
& Packaging Industries (PEPPI)
PALESTINE



Mr. John David Pestaño
Director for Programs
Packaging Institute of the
Philippines
PHILIPPINES



Mr. Krzysztof Niczyporuk
President
Polska Izba Opakowań / Polish
Chamber of Packaging
POLAND



Mr. Yahya Khaliffa
Head of Printing and Packaging
Department
Riyadh Polytechnic Inst
SAUDI ARABIA



Mr. Kishan Singh
National Education Officer
Institute of Packaging SA
SOUTH AFRICA



Mr. Jin Kie Shim
Director
Korea Packaging Center
SOUTH KOREA



Mr. Nacho Cusi
General Manager
Aespackaging-Graphispac
Association
SPAIN



Mr. Magnus Sidling
Board member
Swedish Packaging Guild
WPO Vice President,
Governance
SWEDEN



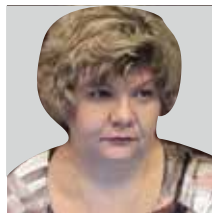
Ms. Aslihan Arikani
General Secretary
ASD Turkish Packaging
Manufacturers Association
TÜRKIYE



**Dr. Siriwan
Tungsangprateep**
Senior Researcher
Thai Packaging Centre
THAILAND



Ms. Hager Ben Mami
Marketing Manager
Tunisia
TUNISIA



Ms. Veronika Khalaydzhi
President
Club Packagers
UKRAINE



Ms. Habiba Al Marashi
Director Co-Founder and
Chairperson Emirates
Environmental Group
EEG
UNITED ARAB EMIRATES



Mr. Ian Schofield
Owner
IOM3
UNITED KINGDOM



Ms. Jane Chase
Executive Director
IOPP Institute of Packaging
Professionals
USA



DIVERSIFYING WPO PACKAGING EDUCATION PROGRAMS FOR GREATER IMPACT

Education is one of the focus activities of the World Packaging Organization since its establishment five and half decades ago. WPO is committed to educate those that have not had the privilege of educational opportunities on packaging technology. This is critical to achieve WPO's mission of "Better quality of life through better packaging for more people".

Over the years, WPO has trained about 2643 students through 66 training programs in 26 countries. The packaging courses are organized in partnership with WPO Member organizations and financially supported by WPO, particularly in countries that lack the capacity to provide such training. The WPO Education Committee is charged with the administrative responsibility of organizing these training programs to ensure that the courses are "fit-for-purpose". Packaging education continues to be critical in ensuring that the world's resources are used as effectively and economically as possible. WPO has a significant role to play in contributing to improving knowledge and expertise in packaging worldwide. This calls for a diversification of WPO packaging education programs for greater impact. This can be achieved by strengthening and expanding current WPO training programs to drive packaging education a step further. Some of the new WPO packaging education initiatives include the following:

- Promote existing WPO training programs for member organizations
- Strengthen non-WPO packaging training programs through endorsement and accreditation
- Establish partnership with organizations to support packaging training programs
- Introduce paid, online courses such as Smart Packaging, Design for Recycling, Packaging as a marketing tool, Packaging cost optimization.
- Increase the number WPO Trainers including capacity to train in languages other than English

WPO FSSC Auditor Training in Packaging Technology

Food Safety System Certification (FSSC 22000) is a critical quality management tool implemented by processing facilities to control and minimize food safety hazards. Food and beverage processing and packaging are interlinked with this industry accounting for over 60% of global packaging consumption. In view of this importance, WPO has developed a special packaging technology course for food safety auditors. This online course, which is currently offered on demand, covers the following topics:

- Fundamental principles of packaging
- Packaging and supply chains
- Global Packaging Statistics
- Consumer / Packaging Trends
- Food Safety requirements (barrier properties & transmission rates);
- Critical control points for food safety and quality requirements;
- Packaging Materials
 - Paper / Board/ Corrugated Boxes (critical control points in manufacturing)
 - Plastics, Rigid and Flexibles (critical control points in manufacturing)
 - Metal Packaging, (critical control points in manufacturing)
 - Glass, (critical control points in manufacturing)
 - Closures
- Packaging adhesives and labels
- Packaging machinery
- Printing Systems, Print Technologies and Critical control points of Printing
- GS1 Barcoding Quality Requirements
- Environmental Sustainability, Circular Economy versus Linear Economy
- Extended Producer Responsibility Schemes, Organizations and Legislation

As part of the diversification program and in view of growing interest, the Education Committee plans to formalize the WPO FSSC Auditor Training in Packaging Technology and promote it as a core program.

Are you planning a packaging training program? Do you want WPO Recognition or Endorsement for your packaging course? Are you a Food Safety Auditor seeking packaging training to enhance your skills? Look no further.



Kofi Essuman,
WPO Vice President, Education
k.essuman@worldpackaging.org



CREATING A CIRCULAR ECONOMY FOR PACKAGING GLOBALLY

The time has come to rethink the way packaging is designed. This is an exciting time to take bold moves and rethink every aspect of how packaging is designed, used and ultimately provide long-lasting environmental value. The change is being driven by consumers who want to see circular packaging that has designed out waste, is reusable, incorporates recycled content, is truly recyclable and all unnecessary packaging and problematic materials are eliminated. This significant societal behaviour shift is a green light for Packaging Technologists to become even more innovative and creative through redesigning packaging for circularity, designing out waste at the start to ensure the materials selected can be used repeatedly, and ensuring that the materials are in fact recyclable in the country in which the product is sold in.

WPO Global Packaging Design for Recycling Guide

A great place to start is by embedding the WPO Global Packaging Design for Recycling Guide at the start of all design processes. Developed by the WPO, Circular Analytics, FH Campus University of Applied Sciences and ECR Community, the Global Packaging Design for Recycling Guide is a starting point to understand Best Practice examples using state-of-the-art technology that can then be applied and tailored to suit the recovery and recyclability capabilities and infrastructure on a regional and local level. The WPO sees this new resource as the first step to developing a consistent global notion of Circular Design Thinking for materials and Packaging. The guide is now available in 13 languages and can be downloaded on the WPO website. www.worldpackaging.org/wpo/45

Waste Stream Mapping Tools

The WPO have also developed 31 Waste Stream Mapping Guides that are essential global decision-making tools that will enable anyone to access current information on technically recyclable packaging across multiple countries. They will help those involved in the development of packaging to not only plan in accordance with regional technical recyclability, but to also improve the design at the start to meet the regional requirements, or limitations, for collection, sorting, recovery and recyclability.

Sustainable & Save Food Case Studies

Lastly, the WPO has been working on a series of Worldstar Packaging Award-winning detailed case studies on Sustainable & Save Food Packaging Design. These are also available on the WPO website <https://worldpackaging.org/resources/46/>. The WPO will continue to develop a wide range of resources, guides and tools that will be made available free of charge for the packaging industry across the globe to access so that everyone has access to consistent design standards and a harmonised approach to tools to create a circular economy for packaging.



Nerida Kelton
WPO Vice President Sustainability & Save Food
Nerida@worldpackaging.org



WASTE STREAM MAPPING TOOLS

Packaging waste streams		
Japan		
Composite beverage carton		✓
Paper		✓
Aluminium		✓
Tin plate		✓
Glass		✓
PS	rigid	✓
	flexible	✓
PVC	rigid	✗
	flexible	✗
PE	rigid	✓
	flexible	✓
PP	rigid	✓
	flexible	✓
PET	blow moulded	✓
	thermoformed	✓
	flexible	✓

Packaging waste streams		
Singapore ¹		
Composite beverage carton		✓
Paper		✓
Aluminium		✓
Tin plate		✓
Glass		✓
PS	rigid	✗ ²
	flexible	✗
PVC	rigid	✓ ¹
	flexible	✓ ¹
PE	rigid	✓
	flexible	✓
PP	rigid	✓
	flexible	✓
PET	blow moulded	✓
	thermoformed	✓
	flexible	✓

Legend

Packaging waste stream (material)	Rating	Description
Recyclable	✓	The material is collected in some region or regions, but the collection is not systematic.
Technically recyclable	-	The material is collected in some region or regions, but the collection is not systematic.
Not recyclable	✗	The material is not collected in any region or regions.
Not determined	NA	No information is available for this material type. There will be further research.

¹ Singapore has a commingled recycling collection system, in which all its recyclables are collected together and sorted in a material recovery facility
² Rigid PS bottles are in the recyclables stream; foam PS food containers are not collected in the recyclables stream
³ Not found in recyclables stream

For further information, please contact: info@worldpackaging.org



ELEVATING BRANDS THROUGH STRATEGIC PACKAGING: WPO'S ROLE IN GLOBAL MARKETING

Packaging as a Marketing Tool

First impressions go a long way in shaping how people perceive products and companies. The packaging design is often the first aspect a potential customer sees, making it a crucial marketing tool. Effective packaging can capture attention, add perceived value, and communicate the brand's message. It not only attracts consumers but also boosts sales and exports.

WPO's Initiatives in Raising Packaging Awareness

Monthly Webinar Series: "Global Packaging Trends"

To delve deeper into the significance of packaging in marketing, the WPO marketing unit has introduced an exciting webinar series titled "Global Packaging Trends." Each month, WPO partners with industry leaders to explore key topics related to global packaging trends.

Global Tradeshow Participation

WPO actively participates in tradeshows across continents, underscoring our commitment to staying at the forefront of global packaging trends and innovations. These events help us lead and inform the industry on best practices and emerging developments, fostering a deeper understanding and appreciation of packaging's role in marketing.

Meet the WPO Marketing Team

Our dedicated marketing unit consists of five professionals committed to advancing packaging standards and practices worldwide:

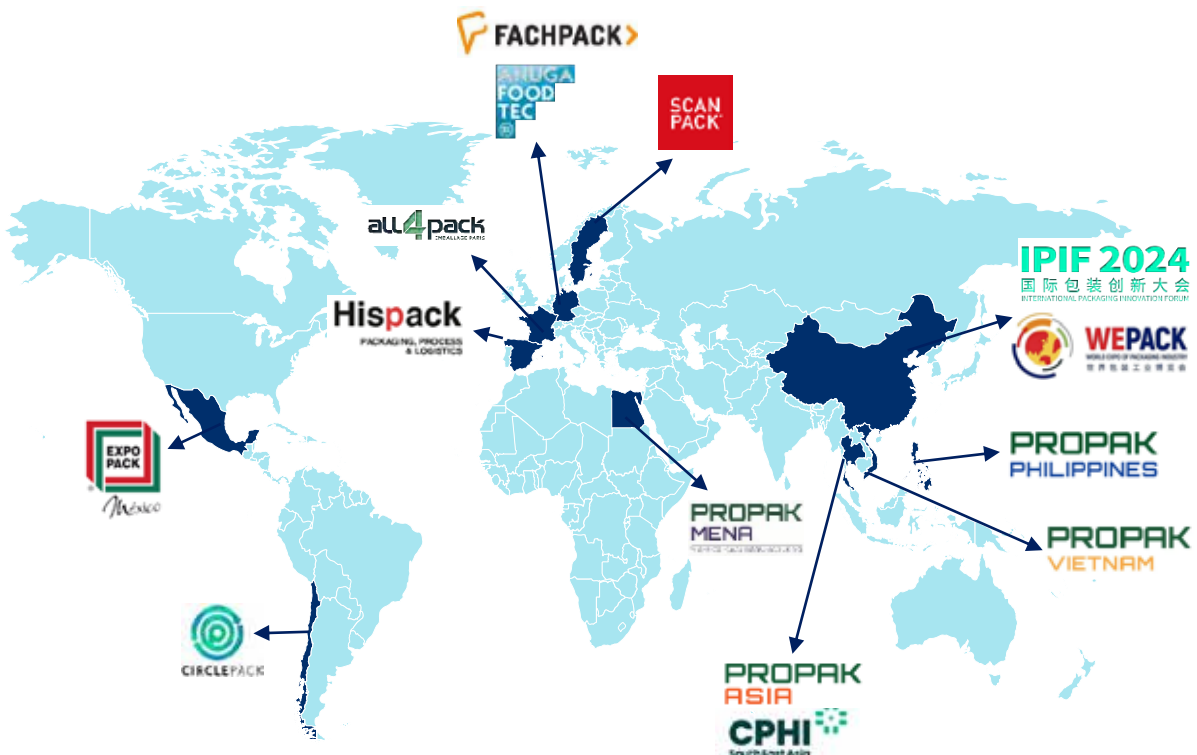
Soha Atallah, Luciana Pellegrino, Liliam Benzi, Roni Mounzer, Nathália Antoniazzi



Soha Atallah
WPO Vice President, Marketing
s.atallah@worldpackaging.org



Tradeshows 2024 # 14 TRADESHOWS | 11 COUNTRIES | 5 CONTINENTS



WPO MEDIA PARTNER



PKN PACKAGING NEWS
AUSTRALIA/NEW ZEALAND
WWW.PACKAGINGNEWS.COM.AU



EMBANNEWS
BRAZIL
WWW.EMBANNEWS.COM



PACKAGING EUROPE
EUROPE
WWW.PACKAGINGEUROPE.COM



PACKAGING SOUTH ASIA
INDIA
WWW.PACKAGINGSOUTHASIA.COM



PACKAGING & PRINT MEDIA
SOUTH AFRICA
WWW.PACKAGINGMAG.CO.ZA

BECOME A WPO MEDIA PARTNER

FOR MORE INFO CONTACT
LILIAM BENZI
l.benzi@worldpackaging.org

LIFETIME ACHIEVEMENT AWARD IN PACKAGING

THE AWARD THAT CELEBRATES AND PRESERVES COLLECTIVE ACHIEVEMENTS OF LONGSTANDING INNOVATORS

The Lifetime Achievement Award in Packaging was established with the aim of acknowledging and rewarding excellence in all aspects of packaging science, technology, design and application across every country around the world. WPO recognises that the discipline of packaging is one that is truly global. Thus, the World Packaging Organisation is in a unique position to identify leading practitioners from around the world who have consistently pushed the boundaries in advancing the art, science and application of packaging to serve the needs of an ever more demanding society. This prestigious award will celebrate and preserve in perpetuity the collective achievements of these innovators for many years to come. Congratulations to the winners!



GYÖRGY VISZKEI

2024 LIFETIME ACHIEVEMENT IN PACKAGING AWARD

CO-PRESIDENT OF THE HUNGARIAN PACKAGING AND
MATERIALS HANDLING ASSOCIATION

CHAIRMAN OF THE BOARD OF GS1 HUNGARY

HUNGARIAN PACKAGING AND MATERIALS
HANDLING ASSOCIATION

2024 WORLDSTAR PACKAGING AWARDS

It is a real honour receiving the “WPO Lifetime Packaging Achievement Award”. I have to thank not just for WPO but for all my friends and colleagues in the packaging industry. I started my carrier exactly 50 years ago. I was a different time in every respect. The world was different there was no internet, no cell phone and we had computers the size of a cupboard. The packaging industry at that time was not different from any other industry. Today we discuss things like the environmental impact, the recyclability, the recycled content and so on, not known at that time.

Especially in Europe we want everything in the same time: minimalization, high recycling rates, high reuse rates, monomaterials, just to mention a few of the goals.

Looking back from an other aspect my generation can not complain. For the pioneers it was a paradise, a

golden age of a packaging professionals. We started with rubber printing plates and we have today very high resolution photopolymer plates in flexography. In any other area of the packaging industry there was a revolutionary development. We have today materials, technologies, speeds, not imaginable fifty years ago.

The packaging industry stands today in front of big challenges. Our products are very visible and therefore in focus of public and political interest.

I wish I could report to you in 10 years time we mastered the challenges. Thank you very much for your time.



2024 OFFICIAL WINNERS GUIDE



Disclaimer: The information regarding the winning entries has been provided by the applicants. The WorldStar team has not prepared or verified this information.

KOi Foaming Handwash Starter Kit and Refillable Tablets

Company: Coles Group

Category: Health and Personal Care, Household

With only 50% of the 6 million tonnes of packaging put on to the market in Australia being recycled, reusable alternatives are critical to reducing single use packaging. As one of the largest retailers in Australia, Coles know that their customers are continuously looking for ways to reduce their use of packaging. To help reduce single use packaging and support the transition to reusable models, Coles worked with their suppliers to develop the innovative KOi Foaming Handwash Starter Kit and Refillable Tablets. The tablet is the handwash and can be simply added to the packaging in the household using tap water. The refillable format helps to eliminate problematic and single use plastics and meet the 2025 National Packaging Targets for the region. If all purchases of the KOi Handwash liquid bottle transitioned to the refillable bottle, Coles would save 250,000 bottles or 14 tonnes of single use plastic each year.



Coles Carbon Neutral Beef

Company: Plantic Technologies

Category: Food

Combating the global issue of beef and plastic production Coles has developed Carbon Neutral Beef packed in renewable and sustainable materials believed to be a world first where both product and pack has been considered to lower carbon. It is known that beef produces the most greenhouse gas emissions of all proteins and creating Carbon Neutral Beef has gone a long way in solving this issue. It was also critical to identify packaging components to marry up with the Carbon Neutral Beef. Plantic Technologies developed a vacuum skin pack tray that is made from at least 70% recycled PET and 20% renewable starch to incorporate a high percentage of recycled and renewable materials thus reducing the reliance on virgin materials in manufacturing.

With an OTR of less than one the Plantic RV tray provides outstanding gas barrier properties which has directly related to an increase in shelf life. Through an independent LCA study we found that in a 500g beef pack when packed in Plantic products every day of shelf life achieved saved 25kg of CO2. With the change from MAP to Plantic skin packing in the Carbon Neutral Beef range and dependent on the packaging site it was shown that up to 18 days extra shelf was achieved. Even when comparing skin packaging types, the same LCA study showed that Plantic products had an increase of up to 38% shelf life.

CRYOVAC Darfresh Mono-PET Rollstock for JBS Swift Lamb Cutlets and SEE

Company: SEE (formerly Sealed Air) and JBS

Category: Food

Simple in design and delivering on-shelf premiumization, JBS' heritage Swift brand of Lamb Cutlets leverages packaging that signals simplicity, sustainability, product quality and safety, and brand trust, addressing key needs of the competitive fresh protein market, and eco-friendly shoppers. It not only delights consumers delivering fresh, quality Australian lamb, the recyclable* CRYOVAC brand Darfresh Mono-PET rollstock pack helps food-chain stakeholders meet their sustainability goals. Challenges including food and packaging waste are addressed by extending shelf life and freshness up to 18 days, and through material choices that can be recycled via household kerbside collection programs or soft plastics return to store collection programs. Compared to Modified Atmosphere Packaging formats used for fresh lamb, CRYOVAC Darfresh vacuum skin packaging advances shelf life from 12 days up to 18 days, eliminating thousands of absorbent pads from landfill. This innovation demonstrates how holistic, efficient packaging design can drive better environmental and economic outcomes.



DualPakECO Certified Compostable Food Trays

Company: Confoil & BASF

Category: Food, Packaging Materials and Components

First of its kind in its category in the Australia and New Zealand region, the DualPakECO dual ovenable trays are made in Australia by Confoil and have been created in collaboration with BASF. DualPakECO trays are certified compostable to Australian standard AS 4736-2006. They are made in Australia with paper coated on the inside with BASF biopolymer ecovio® PS1606. ecovio is a partly bio-based and certified compostable biopolymer specially developed for coating food packaging made of paper or board. This new solution is an alternative to conventional PET packaging for ready-to-eat meals. DualPakECO trays can be used for ready-to-eat meals like lasagne, curries and stir-fries and can be used to store food cold or frozen in supermarkets as well as for catering and hot take-away from restaurants. DualPakECO food trays are ovenable for 40 minutes, up to 180 degrees and also microwavable.

Wine Protector

Company: Planet Protector Group

Category: E-Commerce, Alcoholic Beverages

Planet Protector's Wine Protector is a superior packaging product for B2B and B2C E-commerce. The Wine Protector is a sustainable alternative to expanded polystyrene (EPS) which is a problematic material in the ANZ region. Wine is well-loved throughout the world and a growing and lucrative E-commerce and export commodity in Australia. Transporting wine over long distances has a set of unique challenges as compared to other products. Planet Protector has leveraged the insulating qualities of sheep's wool to create Wine Protector. The most important attribute of the Wine Protector is to protect and preserve the aromas and flavour of the wine for an outstanding customer experience; and provide impact resistance during transit. Importantly, the Wine Protector meets the 2025 National Packaging Targets following the ten(10) principles of Sustainable Packaging Design. Planet Protector has designed this ingenious solution without any toxins, optimised for material efficiency to be reused, repurposed or recovered.





WORLDSTAR
WINNER 2024



DUALPAKECO CERTIFIED COMPOSTABLE FOOD TRAYS

Table to tomato

DualPakECO® food trays are made in Australia with certified compostable ecovio® by BASF. They're ovenable, microwavable and compostable. For more information visit confoil.com.au

DualPakECO[®]
Packaging with Purpose



Herma InNo Liner

Company: Result Group - Herma - Hanes Australasia

Category: Packaging Materials and Components

As a PIDA award winner Result Group is entering the Herma InNo Liner Linerless Labels. This is the first linerless system worldwide to meet the stringent requirements of logistics and distribution centres. By eliminating liner weight, it reduces freight costs by up to 50%, reduces material usage by 50%, and by eliminating silicone, 100% of waste is prevented from reaching landfills. Linerless labels that reduce waste and protect the environment.

No liner, no silicone, no landfill.

Result Group has been a distributor of Herma machines and materials for over a decade. Herma specialises in the entire field of self-adhesive technology and is one of Europe's leading manufacturers. HERMA's innovative adhesive materials, pressure sensitive labels, and labelling machines provide a labelling solution.



EmGuard™

Company: OJI Fibre Solutions

Category: Other

EmGuard™ is an innovative and sustainable alternative to replace problematic single use plastics that is used with a bamboo stake to plant trees and has shown to greatly improve the chances of survival and promote growth in plants. The EmGuard™ is particularly valuable in the first year of establishment especially where root trainer or small grade plants are used as the design reduces water loss and provides a micro-climate favorable to growth. The EmGuard™ protects plants from chemical spraying and weeding maintenance, protect plants from predators like hares and Pukekos and helps to easily identify where plants are in a planted area. The EmGuard™ is manufactured in New Zealand using a majority of recycled pulp and is a mono material recyclable and renewable material solution. The intuitive 4 panel design, folds into a triangle and is locked in place with the bamboo stake.

Dulux 50% rPP Paint and Lid

Company: Pact Group

Category: Household

Dulux and Pact Group collaborated to develop and launch a %50 recycled Polypropylene (rPP) 15L Paint pail for Dulux's EnviroO2 range - the first major paint brand packaged in %50 recycled plastic pails in Australia. The rPP used for this project is a blend of both locally sourced post-industrial and post-consumer resin sourced from a MRF including recycled ice cream, yoghurt, margarine and takeaway containers. Based on Dulux's projected annual volumes, transitioning from virgin to %50 rPP equates to approximately 64 tonnes of plastics that is reused and diverted from landfill per annum. Currently the 15 litre pails are able to incorporate %50 post industrial and post consumer rPP but both Pact and Dulux are working towards %70. A simplified life cycle assessment using PIQET, the %50 rPP will eliminate 71 tonnes of CO2 annually, save 2.16M litres of water, and eliminate 5.2T of solid waste annually.



The Good Smoothie Milk Powder Composite Pack

Company: Zipform Packaging

Category: Labeling and Decoration

Zipform Packaging in conjunction with Nutura Organic utilised its innovative non round shaped pack to bring life to the brand with a bright design from a renowned Australian illustrator reflecting brand messaging "it takes a village to raise a child."

The brief for design was to have illustrations and artwork that symbolises the entire family unit in a village concept. The designs represent the evolution of infants, toddlers and kids who consume the product. This pack is the next in the family following on from the brand's infant formula product in a metal can. This new product, a milk-based smoothie powder product was launched to market early in 2023, with 3 initial SKUs.

The pack contains over 90% fibre, over 60% post-consumer recycled content and is curbside recyclable in Australia, with high fibre recovery through the pulping process, meeting the 2025 National Packaging Targets for the region.

Sustain OzHarvest Collection

Company: Bunzl Australia and New Zealand

Category: Labeling and Decoration

Sustain's OzHarvest Collection is a range of certified Australian AS4736 compostable cups promoting sustainability through unique decoration and innovative production. Made from FSC-certified wood-pulp paper and featuring three eye-catching designs, it aligns with the UN's SDGs* and encourages further education through an on-pack QR code. Due to the aqueous coating, significantly less material is required when compared to plastic or bioplastic linings. The reduced amount of secondary material increases recyclability/re-pulpability potential and decreases residue in the ANZ region recycling process. Utilising Australian iconography in emotionally appealing artwork, the collection showcases agricultural efforts towards sustainable land management, native fauna evoking concern over habitat threats, and striking scenery illustrating mindfulness and what we're all working to protect. Collaborating with OzHarvest, Bunzl has donated the equivalent of two meals to Australians in need with every carton sold – 6,813 meals since launch – providing a quantifiable achievement and purposeful product delivering real change.





AIP: Peak Professional Body for Packaging Education & Training in Australasia

The Australian Institute of Packaging (AIP) is the peak professional body for packaging education and training in Australasia; helping to shape the careers of generations of packaging professionals – from packaging technologists to international packaging business leaders along with a host of people in associated disciplines – sales and marketing, purchasing, production and environment.

The AIP was founded in 1963 in response to a need for packaging technologists to interact and provide a professional identity for individuals within the packaging industry. Having served the industry for over 60 years the AIP is the only professional body designed to provide professional and personal development to all levels of the packaging industry; educational offerings include the Diploma in Packaging Technology, the Certificate in Packaging, the Master in Food & Packaging Innovation, Certified Packaging Professional (CPP) Designation, Fundamentals of Packaging Technology course, half-day training courses, conferences, technical forums, site visits, Influential Women's Mentoring program, internship program and more. The AIP covers Australia, New Zealand and parts of Asia. To find out more email info@aipack.com.au or www.aipack.com.au

PROUD MEMBER



PIDA
AUSTRALASIAN
PACKAGING
INNOVATION & DESIGN
AWARDS 2024

Annual Australasian Packaging Innovation & Design (PIDA) Awards

Coordinated by the Australian Institute of Packaging (AIP), the Annual Australasian Packaging Innovation & Design (PIDA) Awards are designed to recognise companies and individuals who are making a significant difference in their field in Australia and New Zealand.

PIDA Categories include:

- Food • Beverage • Health, Beauty & Wellness • Domestic & Household
- Labelling & Decoration • Outside of the Box • Sustainable Packaging • Save Food Packaging
- Accessible & Inclusive Packaging • Marketing • Young Packaging Professional of the Year
- Industry Packaging Professional of the Year • ABA Scholarships
- Packaging Technologist of the Year - NEW**



The PIDA Awards are the exclusive award program for all Australia and New Zealand entries into the prestigious WorldStar Packaging Awards, which are coordinated by the World Packaging Organisation (WPO). The AIP are the Member for Australia and New Zealand for the WPO. To find out more email pida@aipack.com.au

Aqueous BioCups

Company: BioPak
 Category: Packaging Materials and Components

Our Aqueous Cups are made with FSC™ certified paper – paper sourced from managed plantations and not from old-growth forests. These cups are lined with Aqueous coating– a unique waterproof barrier coating that is certified home compostable to Australian and European Standards. The life cycle of our products is one of the most important things our team considers when designing products. We invest in understanding the environmental impact of the raw materials sourced, ensuring our products can be composted, understanding the business carbon emissions, and supporting the treatment at the end of life with our composting initiative, Compost Connect. Unlike traditional cup coatings that are glued or sprayed onto the paper, aqueous uses water based ink that seamlessly blends into the paper fibers, reducing material usage while maintaining leak-proof and grease-resistant properties. Aqueous cups also contain less than one third of the waterproofing material needed in a PLA-lined alternative.



Australian Organic Food Co. Mono-material Retort Pouch

Company: Flavour Makers & Toppan Inc.
 Category: Packaging Materials and Components

Our PIDA award-winning pack is Australasia's first 100% recyclable, high-barrier mono-material retort pouch suitable for heat sterilisation. It's the result of many years development and material science innovation by Toppan Inc., and utilisation of these break-through materials by Flavour Makers. Previously it had not been possible to maintain a high oxygen barrier in retort sterilisation applications without the use of traditional barrier PET's or aluminium foil – none of which meet the global CEFLEX standard for recyclability. Toppan is the world's largest producer of barrier films and this pack is the first in the world to utilise their newest, state-of-the-art barrier polypropylene. Barrier polypropylenes had existed for post-pack pasteurisation applications for up to 105°C, but none that could maintain barrier performance when heat sterilised at 119°C and above. This is a major break-through which has overcome a significant barrier for food manufacturers wanting to improve the recyclability of their packaging.

RafCycle by UPM Raflatac

Company: UPM Raflatac
 Category: Packaging Materials and Components

The glassine paper liner on label stock is an essential component acting as a protective layer for the adhesive plus, a continuous roll to enable high speed self-adhesive label application. In Australia this glassine liner predominantly ends up in landfill. The RafCycle scheme has been designed by UPM Raflatac to ensure this high-quality glassine paper is recovered giving the pulp many new lives, recycled into new glassine liner, and a variety of other high-quality papers. Globally 400 brand owners are engaged with this scheme, recycling the weight of over 3 Eiffel Towers, leaving 463,000 trees in the forest for other uses.

There are no paper mills in Australia that are equipped to recycle glassine, as the silicone layer, plus the paper strength demands significant energy to recover. RafCycle by UPM Raflatac is the only scheme globally that can ensure these long-fibre, high-quality paper fibres are recycled multiple times.

A range of new RafCycle boxes were trialed during 2023, with the goal of double stacking them inside shipping containers, to ensure maximum space utilisation, whilst ensuring the load remained stable during sea freight and hence can be safely unpacked in Europe. UPM Raflatac have now successfully selected a new box that enables brand owners to collect approximately ¼ tonne in each box and allows the double stacked shipping format.



AUSTRIA

EcoLamHighPlus Mono-PE Laminate with High Barrier

Company: Constantia Flexibles International GmbH
 Category: Health and Personal Care, Household



EcoLam is a lightweight Mono-PE laminate suitable for a great variety of packaging applications. Due to its mono-material structure it is recyclable (RecyClass approved). Already in 2015 Constantia Flexibles realized that multi-material laminates (like PET/ALU/PE) need to be substituted by mono-material solutions to ensure circularity. With the upcoming PPWR in the European Union it is of utmost importance to provide mono-material flexible packaging solutions to the market ensuring circularity while keeping the grammage as low as possible. The EcoLam family comes in different barrier grades (EcoLam, EcoLamPlus, EcoLamHighPlus) to deliver the barrier needs for a diverse range of products. Specifically, with EcoLamHighPlus the requirements of sustainability (= recyclability and resource reduction) and excellent functionality as high barrier packaging material have been successfully united. In the overview table the different barrier grades are shown. EcoLam is already in the market with various filling goods like wet wipes, sachets and others.

The uniqueness of the innovation lies in the barrier achieved for EcoLamHighPlus, as it is close to the values of PET/ALU/PE compounds, making it a sustainable replacement for most applications. To demonstrate recyclability, the laminate has also been certified by RecyClass. Our Mono-PE laminates are recyclable in the PE film stream and can thus be integrated into a circular economy.

Grain Mill Packaging

Company: Dunapack Packaging Strasswalchen
 Category: Household

Packaging with very practical inlay solution completely made of corrugated cardboard. The inlay can be easily assembled by a plug-in system. Together with the mill it will be simple packed into the outer carton with the help of handle holes. The packaging offers the best protection during transport.

A mill made of sustainable materials in high quality has of course the same requirements for the packaging!
 Requirements of our customer: sustainability - only one material (paper) for packaging easy handling transport protection - without the use of Styrofoam or similar



K3® r100 - self separating cup

Company: Greiner Packaging International GmbH

Category: Food

Doing the work for you: self-separation for outstanding recyclability

K3® r100 is a product innovation that has made the impossible possible: separating cardboard wraps and plastic packaging from one another during the waste disposal process without the need for human intervention. Unlike all previous K3® packaging solutions, an outstanding level of recyclability can be achieved without having to rely on end consumers to separate the items correctly. Instead, the cardboard separates from the plastic completely on its own during the waste disposal process. There is no glue dot between plastic and cardboard and each one can be easily recycled.

More than 90% recyclable: Cyclos-HTP has certified that K3® r100 with a standard aluminum foil is more than 90% recyclable in Germany and France. By using a PP seal, the recyclability can even be increased to as much as 98%. Class A recyclability rating: RecyClass has also awarded Class A status – its best rating for the recyclability of a packaging item – to the plastic part of the K3® r100 packaging. The cardboard's recyclability varies due to differences in the recycling infrastructure across the EU.



Packaging for Connection Carrier

Company: Rondo Ganahl AG

Category: Transit

The so-called spacers consist of 100% corrugated cardboard. These were designed in such a way that there is space for 4 components in width, while at the same time the distance in length was taken into account so that the components can no longer slip in the longitudinal direction and additional packaging material is no longer necessary. The individual spacers consist of one part that is used twice for the left and right. The assembly takes place in just a few steps and takes a minimum of time. With this concept, stability could be increased and at the same time packaging waste (plastic) could be reduced and handling could be made easier.

This packaging was originally made of plastic and was replaced by a mono-material solution made of corrugated cardboard. The challenge was to pack the KLT-coated components in the specified packaging unit and protect them in the best possible way.

Hug&Hold by Mondi

Company: Mondi Group

Category: Non-Alcoholic Beverages

Mondi developed Hug&Hold, a recyclable, paper-based solution to replace plastic shrink wrap for PET bottle bundle packs. FMCG brands, including beverage producers, aim to reduce their use of unnecessary plastic. These aims are matched by consumer expectations, global consumers looking for less plastic when purchasing product. Hug&Hold is therefore timely, meeting the sustainability needs of brands and their customers. It comprises two elements that provide secure and safe transportation as well as stacking of bundles of bottled drinks. The first element is a patent-pending sleeve made of 100% kraft paper that wraps around the bottles to hold them securely. Made from Advantage SpringPack Plus, offers high tensile strength and can withstand enough weight to strap and stabilise the bottles during transportation. The second element is a corrugated clip which holds the bottles around the neck. An optional integrated handle means a bundle of bottles can be carried and transported easily.



ProtectorBag ExpandFORM by Mondi

Company: Mondi Group

Category: Packaging Materials and Components

Mondi created Protector Bag ExpandForm, a paperbag solution with an expandable feature to safely rollpack mattresses. Protector Bag ExpandForm replaces the current plastic packaging with a flexible and recyclable alternative. The solution is also customisable and can expand to different sizes while holding the mattress securely. The packaging is made with Mondi's kraft paper, which is responsibly sourced and renewable, and can be recycled contributing to a circular economy. The paper bag is puncture resistant and suitable for printing, meaning brands can customise their deliveries with a high-quality finish. Unlike plastic, the paper layers are also breathable and can emit gas that can evaporate easily. Megaflex Schaumstoff, the first company to protect its products with this new packaging. Megaflex switches its range of mattress rollpacking to paper packaging, which is already used by Bett1. The new solution was quickly up and running with only a few adaptations on packaging machinery.

Plastic rollpack wrapping can expand up to 200% in transit, taking up space and potentially deforming outer cardboard packaging. A benefit of Protector Bag ExpandForm meanwhile is that it is dimensionally stable – saving on shipping and storage costs. Consumers are actively seeking packaging that is responsibly sourced and easy to recycle. This new solution ticks both boxes: it is easier to open and to dispose compared to large rolls of plastic and avoidable packaging used previously. Protector Bag ExpandForm needs no secondary packaging to protect the product and will be stable throughout the whole delivery journey. We are proud to be the first ones to introduce this innovative solution to the market. The Protector Bag ExpandForm is a perfect fit for mattresses and the plastic saving estimate is significant.

Delivery Cuff

Company: McDonald's / Huhtamaki / MM Board & Paper

Category: Food

Every day, McDonald's stores in the UK receive hundreds of thousands of online orders. While its prepacked delivery bags used to be sealed with a plastic sticker, they are now held closed with a practical closure made of recycled cartonboard Browncolor from MM Board & Paper. The delivery cuff, developed by Huhtamaki, consists of a folding cartonboard with two adhesive strips on the back that protect the contents against tampering. After delivery, the customer can open the bag with ease using the two tear strips.

The box closure isn't just a more sustainable solution for the safe delivery of McDelivery products; it can also be packed completely flat, thus saving on logistics costs and CO2 emissions.

Brand Owner: McDonald's Cartonboard: Browncolor from MM Board & Paper Converter: Huhtamaki



Adventsedition 2022

Company: Offsetdruckerei Schwarzach GmbH
 Category: Luxury

Our packaging deserves recognition for several reasons. Firstly, we prioritized innovative in-house technologies, material quality, and meticulous design. The outer casing is crafted from two sidewalk-style boxes made of richly colored, tactile paper, chosen for its elegant appearance. Using our new digital die-cutting machine, we applied laser-cut lettering and ornate designs on the front. A magnetic closure keeps the two parts securely together. What truly sets it apart is the interior of the advent calendar. It features a vibrant, intricately illustrated winter wonderland scene at "blue hour," teeming with details to explore. Within this immersive tableau, we've integrated 24 differently shaped compartments, cleverly arranged at various angles, creating a three-dimensional effect. These boxes house delightful surprises and can be removed for closer examination. Our commitment to eco and social sustainability is noteworthy. *Our commitment to eco and social sustainability is noteworthy. The calendar is entirely cardboard, climate-neutral printed, and recyclable. It's also refillable. Furthermore, the assembly work was carried out by Integra Vorarlberg, an initiative supporting long-term unemployed individuals in the region.*



Post Loop - Reusable Packaging for the E-commerce

Company: Austrian Post AG
 Category: E-Commerce

With the Post Loop-circle, Austrian Post is introducing a new service for reusable packaging in e-commerce. The service enables e-commerce retailers to ship their products in reusable packaging. The recipients pick up the products, fold up the packaging and return it via mailboxes, postal partners, post offices or postal zones. The packaging is collected by Austrian Post and, depending on the tariff, returned to the online store or to an Austrian Post cleaning hub, where the packaging is prepared for the next shipment. Depending on the type of packaging, it can complete up to 30 shipping cycles.

By offering reusable packaging, a drastic reduction of resources for the production of new packaging is achieved. Therefore, up to 80% of emissions can be saved by using reusable packaging. The roll-out will also open up a new market and gather know-how and best practice expertise.

Companies can choose different rates of the "Post Loop" depending on their needs. a) Post Loop-Service If companies choose the Post Loop-Service, they can purchase their own reusable packaging. Austrian Post will then take care of the return shipping of the empty and folded packaging to the retailer. b) Post Loop-Service Plus Post Loop Service Plus is a complete service that covers the entire packaging cycle. Companies can obtain shipping packaging directly from Austrian Post, which takes care of the goods dispatch and return transport and the preparation of the packaging for the next dispatch cycle. In concrete terms, this means that the empty, returned packaging is taken from one of the return points to an Austrian Post warehouse. There, the intact packaging is cleaned and the shipping labels are removed. They are then inventoried and stored until they are needed for the next order.



Belle Rive Gin

Company: Spirit Brothers / Lucaprint / MM Board & Paper
 Category: Alcoholic Beverages

Hold the Belle Rive Gin packaging in your hands, and you can't fail to be impressed by the sophisticated design. Without obscuring the view of the elegant bottle, it reliably protects the product from damage while eschewing adhesives altogether. As the smooth surface of the virgin fibre cartonboard from MM Board & Paper can be printed with the utmost precision, the bottle and packaging design complement each other in a sleek look.

Exceptionally convenient: The entire construction, developed by Lucaprint, can be carried safely using the built-in cord, and can also be transformed into an eye-catching feature at the point of sale.

Brand Owner: Spirit Brothers Cartonboard: ALASKA® STRONG from MM Board & Paper Converter: Lucaprint



Projeto Aedes do Bem

Company: PAPIRUS INDUSTRIA DE PAPEL S/A
 Category: Packaging Materials and Components

This packaging has the function of transporting the eggs of the Aedes do Bem mosquito, genetically modified so that once they have been born, the mosquitoes (males) are inserted into the wild and their descendants (born from wild females) do not transmit dengue fever, yellow fever and other tropical diseases). The challenge was to develop a packaging for B2C and B2B based on cellulose fiber, which would be viable for the point of sale, e-commerce, and functional in hatching the eggs and releasing the Aedes into the wild. It needed to last for three weeks in the rain/sun, while serving as a thermal insulator allowing the Aedes reproduction cycle. It has openings that allow Aedes to escape and a hole at the back as a hook. Optimized dimensions for lower material consumption and greater cubage in palletizing and transport. Suitable dimensions for display and handling at the point of sale;



First colored cap with 100% PCR from flexibles residues

Company: Unilever
 Category: Packaging Materials and Components

This pioneering initiative in Brazil and the world found a premium application for flexible post-consumer packaging. Now this flexible plastic waste is collected, transformed into a high-performance resin and then converted into softener caps. With this development we are giving a destination to these flexible materials that are so difficult to recycle as they, in some cases, contain paint or metallization and in many countries the only solution found is incineration. It is an impactful and disruptive project that brings us a new concept about how to manage flexibles waste and continue looking for alternatives that reduce the impact of plastic on the environment.

To deliver this major project, we involved several links in the chain: recyclers, pigment suppliers and converters. In addition, recycling cooperatives were developed to provide sufficient volume of post-consumer flexible plastic for the project. A specific Masterbatch with high coloring power was also developed to cover any variations in the shade of the resin. Link to the Video about this project: <https://1drv.ms/v/s!AqQ-uyizybiKgeIWO8MEOSM56tFTQ?e=SP5rcW>

First Colored Cap with 100% PCR from Flexibles residues



- Pioneering solution to reintroduce flexibles residues in a large scale
- First coloured cap
- + 800 tons of PCR
- Cheaper resin vs virgin



Gerdau Nail Packaging with Graphene

Company: Gerdau Graphene

Category: Packaging Materials and Components

Recognizing the imperative need to reduce the impact of plastic consumption, Gerdau, the largest Brazilian steel producer, has embarked on a journey to explore sustainable materials through nanotechnology such as graphene, a nanocarbon material renowned for its exceptional mechanical properties, which can deliver significant improvements in processes and performance for the final products in which it is applied. Gerdau used to face issues with nail punctures in the packaging during the filling process. In late 2022, Gerdau and Gerdau Graphene (part of Gerdau's new business arm), teamed up to enhance puncture resistance using Poly-G, Gerdau Graphene first industrial-scale graphene masterbatch. By using 1% of Poly-G into the process, we improved its resistance, durability, and performance. Key benefits included a 25% thickness reduction, decreasing plastic usage, and a 39% decrease in damaged packaging volume. With graphene it is possible to combine profitability and sustainability, promoting efficiency while conserving finite resources.



Natura Humor Transforma

Company: Wheaton

Category: Health and Personal Care

Combining style and utility, this glass bottle is a tangible expression of the uniqueness of each individual.

The packaging has been painted with multicolors technology, an innovative and exclusive coloring technique. The application of three colors in an unpredictable and random manner provides a unique composition. Each bottle is truly unique and there is never an exact duplicate.

The glass bottles are exclusive to each consumer, following no pre-established rules or standards. This freedom of design and personalization gives off a positive and fun energy, attracting attention and generating a sense of exclusivity as well as arousing curiosity and the desire to own it.

Modern, bold design and vibrant colors. The packaging is a visual manifestation of the free and transformative spirit that the product represents. The pattern conveys a sense of lightness and fun, as well as an individualized and technological approach to the contemporary consumer.

Bag-in-Box Suvinil

Company: SIG

Category: Other

Because in this universe of decorative paints and varnishes, it is an innovative case, which replaces a metallic packaging with a bag-in-box. The result is a much more practical and sustainable box, made from renewable sources and made from 30% recycled paper. Consumers and painters have a much easier experience in terms of loading, arranging the product and storing it. Whether you are a professional or amateur painter, the experience is unique and better for the planet. The packaging box and plastic bag are made from recyclable material. This way, after use, they can be fully reinserted into the production chain. To do this, you only need to send them for selective collection correctly.

Lighter and more ergonomic than a gallon, the paint packaging made from cardboard has a compact and innovative design, which makes it easier to handle while painting. The structure has a special cavity for stirring the paint and a nozzle with a screw cap that makes it easier to open and close, creates less mess and does not accumulate product in it, which in the case of a can, dries out and makes closing difficult. As it is square in shape, it is more practical to store at home, optimizing space. The packaging-product interface was studied to define the best combination that would bring practicality and low product retention in the plastic after use. To this end, studies and surface tension tests were carried out between the materials, making the application in the segment a pioneer in its category.



NESTLÉ NINHO POUCH RECYCLABLE STRUTURE

Company: ZARAPLAST S.A. - BRAZIL

Category: Non-Alcoholic Beverages

From a TRI-laminated flexible packaging structure, composed originally of PET film, aluminum foil and PE film, a BI-laminated high barrier flexible packaging structure was developed using advanced technology in terms of multilayer high barrier films extrusion equipment and the latest generation of special resins, resulting in the first flexible packaging for whole milk powder in Brazil, with a more sustainable structure, without aluminum foil, considered ready for recycling and guaranteeing the same product protection and shelf-life, with reduced consumption of energy and GHG emission during the conversion. This implemented solution contributes to the sustainability goals established by Nestlé to be achieved by 2025, in which packaging is 100% recyclable or reusable, with improved environmental performance in terms of material consumption, energy and GHG emissions.

Highlighting that all this development was carried out in compliance with Nestlé's very high levels of technical, quality and performance requirements.

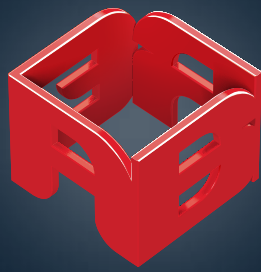
Clamshell ChilliBeans

Company: Antilhas Embalagens & Soluções

Category: Other

The brand owner had a challenge for the launch of their line of sunglasses made from sustainable materials: to ensure that the packaging would also align with their commitment to sustainability and minimizing harm to the planet. Since the cases were previously made by the brand using materials such as plastic, aluminum and EVA. We developed packaging that stands out due to its commitment to sustainability and innovation: made entirely of paper, replacing conventional materials, it demonstrates a clear commitment to reducing CO2 emissions, efficient use of production time, energy, and water. Produced from recycled paper composed of 60% post-consumer material, also entirely recyclable, eliminating the use of lamination and magnets in its production. Its unique "clamshell" design offers security and logistical efficiency, providing ideal accommodation for the product, and its durability and reusability extend the product's lifespan, minimizing early waste.





abre
BRAZILIAN
PACKAGING
ASSOCIATION

Your connecting point with the
Brazilian packaging community!

Supporting brands and packaging
companies to escalate packaging
innovation, sustainability and
technology!

Join ABRE's training programs, market
news, packaging award, conferences
and strategic networking!



abre.org.br



[abreembalagembrasil](https://www.facebook.com/abreembalagembrasil)



ABRE Associação Brasileira de Embalagem



WPO
WORLD
PACKAGING
ORGANISATION

Bag in Box 1000l Easy Flow

Company: Embaquim Ind e Com Ltda
 Category: Transit

The Easy Flow bag has an oleophobic additive in its structure, that works as a repellent to the packaged product, mitigating adhesion to the bag wall. Using the same unbottling system adopted by the end user, the additive reduced the weight of the residual content by 40%. At the end of a year, the new packaging guaranteed flow functionality and saved 6,000 kg of product, considering just one production line. Product residues inside packaging make post-consumer recycling difficult. In addition to be a contaminating agent, the waste makes transportation to the recycler more expensive. The Easy Flow bag is also 100% recyclable as it is monomaterial and the additive compatible with LLDPE.

According to a survey carried out by the Urban Cleaning Sustainability Index, half of Brazilian municipalities (49.9%) still dump waste, mainly plastic, in landfills. Furthermore, 17.8 million Brazilians do not have garbage collection at home and only 3.85% of waste is recycled. The country still shows a high rate of incorrect waste disposal, with a minimum recycling rate. Solving the waste problem is not an easy task, and Embaquim decided to look for technological solutions that would have a positive impact on social and environmental challenges, with the aim of giving new meaning to the use of plastic. As a result, we were surprised by the line of compatibilizing additives from the company IQX, which, in addition to enabling recycling, recovering resources from the production of plastic packaging, also allows the recycling of barrier film scraps (PA/EVOH/LLDPE), boosting the circular economy.



Teixeira Reverse

Company: Teixeira Têxtil
 Category: Packaging Materials and Components

Aplicando a economia circular na prática a Teixeira Reverse representa o futuro das embalagens uma solução de Big Bags produzidos com matéria prima PCR oriunda da logística reversa de big bag já utilizados do agronegócio. A solução estimula a destinação correta dos big bags em geral e a produção sustentável.

A matéria-prima utilizada para a produção dessa solução provém da empresa LR Logística Reversa, que faz parte do grupo da Teixeira Têxtil. Na LR, os Big Bags já utilizados em várias demandas do mercado são coletados em todo o Brasil, passam por processos de classificação, moagem, lavagem, aglutinação e extrusão, até se transformarem em resinas recicladas pós-consumo (PCR) aplicando assim o conceito de economia circular. Essa solução proporciona um enorme valor para o ecossistema em que vivemos, reduzindo significativamente a emissão de CO₂, o consumo de energia, água e insumos na produção, além de garantir a destinação correta dos resíduos. Também incentivamos e promovemos a participação de outros produtores nesse processo sustentável. Vídeo da solução : https://www.youtube.com/watch?v=Cfm_zil6QGQ&t=21s

Budweiser World Cup Limited Edition Aluminum Bottles

Company: Trivium Packaging
 Category: Alcoholic Beverages

The bottle appeals directly to the fans! A 2023 Buying Green study showed that 79% of consumers are looking for products in sustainable packaging. The design on these limited edition bottles celebrated the athletes and teams who made it to the World Cup and invited their fans to join in by showing pride through their country's flag displayed on the bottle. These limited edition, specialty bottles were well received by fans who loved seeing their flag on the bottles, and drinking in celebration of their team's hard work and success. The bottle sold out quickly and was highly collected by fans.



Reusable Smart Lid for Swift

Company: WestRock Brasil
 Category: E-Commerce

Swift, a reference brand in the quality of frozen food products, annually consumes around 450,000 corrugated cardboard top and bottom packages that were only used to transport products from factories to points of sale. With an eye on sustainability, WestRock developed and proposed a packaging model that could also be reused to transport the product between the point of sale and the customer's home, eliminating the use of plastic bags. The structural design is one of the main differentiators of the solution. The smart lid used to package the product at the JBS factory has creases and perforations carefully inserted to allow it to be transformed into a closed suitcase in Swift stores with just a few folds, allowing the replacement of plastic bags with this lid that become a case, both when purchasing in physical stores and via e-commerce. The lid, which was previously discarded when arriving from the factory in stores, is now transformed into a case, and can be reusable, replacing plastic bags for transporting products to their destination. For Swift stores, bags, when replaced by corrugated cardboard boxes, represent a reduction of more than 6 tons of plastic per year, mitigating its disposal, the main cause of environmental pollution, helping to regenerate the planet given the origin of WestRock paper and promoting reuse. The packaging differentiates itself through its very functional design and high-quality printing, provided by HyGraphics. This technology is a pioneer in Brazil.



CANADA

Axe Green Geranium Deodorant Stick

Company: Viva Healthcare Packaging
 Category: Health and Personal Care

Axe Green Geranium Deodorant Sticks 2.6 oz. were developed to coordinate with a line of four other deodorant sticks, and a line of Green Geranium Body Sprays and Body Washes. They take full advantage of high definition, in-mold label decoration to cover barrel and cap with Axe branding. The cap, dial and inner screw are all molded in the same North American facility. There is no virgin resin in these sticks. The artwork is also printed at the same manufacturer. With the black colorant only in the cap resin, the sticks include over 95% recycled content, in a mono-material design that is fully compatible with the rigid polypropylene recycling stream, as indicated by the how2recycle logo featured in the artwork. Containing PCR and being recyclable helps support plastic circularity, reduce global warming impacts, and help the brand meet their sustainability commitments.

The sticks contribute towards the brands sustainability commitments: • 50% virgin plastic reduction by 2025 – these sticks reflect 100% virgin plastic reduction. • 25% recycled plastic by 2025 – these sticks contain over 95% recycled plastic. • 100% reusable, recyclable or compostable plastic packaging by 2025 – these sticks are recyclable. The sticks are decorated with in-mold label technology for barrel and cap - a unique way to decorated deodorant sticks. Indeed the artwork flows from barrel into cap, 360 degrees around both.



Maoyun(Jin Se Jia Li)

Company: Shenzhen Qianhai Blueprint Culture Communication Co., Ltd.
 Category: Alcoholic Beverages

The charm of sauce aroma, the beauty of the East. The product design of the Jin Chun Tu, a Chinese famous painting, depicts a beautiful spring landscape as the creative inspiration, expressing Chinese traditional art to convey the aesthetics of Chinese culture and shaping the brand image of Maoyun.
Maoyun is a Chinese baijiu brand that shapes its brand image with an emphasis on Eastern culture. This packaging design takes Chinese art as the starting point, and through the portrayal of three traditional art forms: painting, architecture, and calligraphy on the packaging.



Xi Jiu - Environmental Protection (Baijiu)

Company: SHENZHEN BAIXINGLONG CREATIVE PACKAGING CO.,LTD
 Category: Alcoholic Beverages

The product creativity aims to explore new paths for environmental protection, simplify traditional packaging forms, minimize the use of packaging materials, and reduce the transportation volume of packaging combinations, creating a more minimalist, sustainable and environmentally friendly green packaging design for products.
The bottle design adopts the concept of "nude design", and the product name and information are integrated with the bottle design. The outer box packaging is designed with a folding (flattened) eco-friendly structure, creating the most unique eco-friendly creative style of the product.

Big-Billed Bird Food

Company: Shenzhen Polytechnic University
 Category: Pet

By rotating the upper opening to open the package, it is very convenient to dump the bird food on demand with a very good unpacking experience. The ingenious structural design makes packaging products have an advantage in terms of weight and pressure resistance. The packaging is made of 350 grams of environmentally friendly coated paper, which is molded and cut into one. The ingenious triangular structure is very stable when placed.
The packaging and the upper side are rotated and opened to form a bird's beak, which with the flat visual forms an image of a Big-billed bird, echoing the brand name. Consumers must be memorable for the ingenious unboxing experience!



Chengyishaofang Vintage liquor 10 years

Company: Shenzhen FUHAO design Co., LTD
 Category: Alcoholic Beverages

Taking the 160-year historical background of Chengyishaofang and the vintage certification of the liquor as the core, the original clay-sealed bottle container shape of Chengyishaofang a hundred years ago was reconstructed and boldly innovated. With the first use of "no bottleneck shape", the bottle retains the classic memory image in history, builds the sense of the year of the product, and creates the combination of cover body unity and complete artistry. It is a major innovation in the wine industry.

The bottle cap is made of zinc alloy material, resembling the bowl cap with Chengyishaofang four generations of owners of the relief carving, reflecting the heritage of the brand cultural attributes, and enriching the opening experience and texture of the packaging products. The bottle body is dignified and atmospheric, and the oblique ribbon is the classic element of Moutai. The choice of ceramic bottle is the Chinese traditional best storage of wine materials, highlighting the brand's heavy historical charm. The box adopts a pull-out box type, fixed with metal pieces engraved with the seal of Chengyishaofang on both sides, and inlaid with a three-person embossed metal plate of the brand's founder, the current head, and the master brewer on the front. The overall packaging is unified and coordinated, simple and elegant, and the excellent products are exquisite.



The Winding River and Stone

Company: SHENZHEN BAIXINGLONG CREATIVE PACKAGING CO.,LTD
 Category: Alcoholic Beverages

The winding river and stones are in memory of an ancient Chinese allusion. The design of bottles is presented by biomimetic techniques. The material of the stone represents the land, and the transparent winding glass represents the winding river. This also highlights the ecological brewing concept of the product.

The packaging uses environmentally recycled paper. Paper has the texture of stone. The form of paper cutting is used, which can truly restore the properties of stones. The structure of the packaging section also saves space. The entire design hopes to call for respect for humanity and the natural environment.



Luzhou Laojiao Mingniang 508 Product Design

Company: Guangdong Shangze Youfu Creative Culture Co., Ltd.

Category: Alcoholic Beverages

1. The packaging provides excellent protection and convenient opening.
2. Double-sided roast flower illustrations on the bottle body, utilizing the principle of convex lens magnification to save production costs.
3. Sales exceed 100,000+.

Mingniang 508 is a distinctive light liquor among traditional Chinese Baijiu, presenting a hundred-year history of liquor brewing in Jiangyang City through the painting of green mountains and rivers, exuding a profound Oriental aesthetic essence.



Maoyun(Luo Bin Shen Zhang)

Company: Shenzhen Qianhai Blueprint Culture Communication Co., Ltd.

Category: Alcoholic Beverages

Sauce fragrance, the charming of the orient. Inspired by Luoshen Fu, a very famous Chinese literature in Three Kingdoms period, the design expresses Chinese aesthetics with traditional Chinese arts. Oriental aesthetics pursues a world of images beyond reality. It uses literature and calligraphy as its main carriers, showing the characteristics of both form and spirit and lofty artistic conception.

The design takes Luoshen Fu as the main element. The gold packaging expresses the oriental aesthetics of subtle elegance and naturalness with the artistic works handed down for thousands of years.

High Mountain Tea

Company: Shenzhen Polytechnic University

Category: Non-Alcoholic Beverages

Amcor Flexibles Chile created a unique and high quality packaging solution with LifeSpan™ Copper Based Film. It is an innovative and disruptive packaging solution for cheese or fresh or processed meat such as ham, bacon, fresh chicken, etc... thanks to its specific addition of copper particles in the manufacturing process of the packaging solution. LifeSpan™ Copper Based Film, a laminate, contains copper microparticles that inhibit the development of microorganisms inside the packaging, allowing to increase the shelf life of product packed up to 250%. The material was recently created through a collaboration between our Amcor Flexibles Chile and biomaterial technology company CopperProtek. The partnership aimed to discover whether antimicrobial qualities could be transferred to plastic packaging by adding copper microparticles to the plastic resin in the film production, extended the shelf-life of fresh food products.



COLOMBIA



Sustainable Cardboard Reels - Extrusiones

Company: Smurfit Kappa

Category: Packaging Materials and Components

Extrusiones produce and export rubber and other plastic-based solutions for the construction, transportation, and nautical industries. The challenge: Extrusiones, a Colombian leading company in customized engineering solutions needed a sustainable solution to replace their traditional "3 materials reels" made of plastic, paper core and metallic staples. The new design needed to align with their goal of reducing single-use materials, been more environmentally friendly. Extrusiones existing reels were generic and did not differentiate from competitors, allowing third parties to reuse their product when discarded and negatively impacting their brand image. This had to be addressed.

Our approach: Our experienced design team developed a robust corrugated cardboard solution which was easy to assemble and met the high demands of the exportation process. The new reel was printed with the company logo to stand out from the competition along with relevant product information to achieve greater differentiation and brand awareness in the market.

The result: Our development effectively made possible a brand and image differentiation from competitors, and introduced a sustainable alternative in the market, improving Extrusiones brand reputation. This paper-based packaging solution replaced 144,000 plastic reels/year equivalent to 35 plastic tons. As a result, this reduced 3.84 tons of CO2 emissions per year, contributing to the company's sustainability goals. Also delivered warehouse and supply chain savings of \$1.780 USD. The additional warehouse space, enable them to increase their inventory levels and respond to growing demand.

CZECH REPUBLIC AND SLOVAKIA

Ready to bake and eat!

Company: THIMM

Category: Food

Our solution has been developed for an elegant, practical and sustainable product presentation at the Makro Gastro fest. The mould is used both for baking and for subsequent consumption of Romadur cheese.

The mould was made of the foodWave® I heatproof corrugated cardboard, which is suitable for direct contact with food and for use in conventional or microwave ovens. This elegant solution ensured perfect product presentation and brand visibility throughout the event and consumption of the product. The entire mould was transported flat and folding it is very quick and easy. Thanks to this practical mould, the capacity of the staff at the event could be reduced, fewer dishes were needed and time and water for washing them was saved.



Transport Packaging for Cans (SIX-PACK)

Company: Coolcan s.r.o.

Category: Other

A safe and efficient solution for the transport of promotional beverage cans. Universal solution for 0.5l and 0.25l cans.

Thanks to the cooperation with HIRSCH Czech Republic s.r.o. we managed to find a solution from pulp moulding for advertising cans and their safe transport to B2C customers.

With this solution we were able to reduce the MOQ to 6 pieces and reduced damage during transport to 0.

We used as mould the solution from 3D printer. We opened the way for other similar projects 3D moulds are very cheap, effective and modular for saving the production time (you can combine more shapes in 1 production) Solution from pulp moulding is from waste paper and the product is fully recyclable. The solution save the sizes of package and it really safety the product against damage during transport.



Fruit and Herbal Spirits Labels – Dlabka Distillery

Company: ETIFLEX, s.r.o.

Category: Alcoholic Beverages

The young Dlabka Distillery takes care of its own orchards, cider house and distillery on the doorstep of the Bohemian Paradise. The greatest passion of the owners is the art of distillation, which is able to capture the true essence of herbs and fruits. The Dlabka product line already has 24 products. The biggest challenge for the designer was to ensure the unity of the range and to create a characteristic design for each product at the same time. The arc shape of the label and the logo with a stylized tree and a falling apple are the unifying elements of the line. The labels are printed on textured paper and refined with different techniques as relief varnish, hot foil or blind embossing.

Client: Dlabka Distillery Designer: Běla Houdková Material: Cotton Touch plus

Fruit Spirits Labels - Rýdži

Company: ETIFLEX, s.r.o.

Category: Alcoholic Beverages

The owner of Raspenava Distillery Mirek Rýdži creates a range of pure fruit spirits under the brand Rýdži /Pure/. He devotes maximum care to ingredients, distillation and packaging. The label shows the colourful Rýdži garden full of flavours. The details in graphics play out the fantasy and reveal the owner's passions. Two layers of different materials contrast on the front label. They are interconnected by the logo in gold hot stamping. The elegant concept makes it possible to expand the series with new types of spirit. Each of them gains the typical colour on the front and neck label. The playfulness of colours and shapes on the packaging forms a balanced whole that never ceases to surprise.

Client: RASPEVAVA DISTILLERY s.r.o. Designer: Aleš Sadil Materials: Large front label - Sirio Pearl Small front and neck label - Cotton Back label - Cotton Touch



Adapt

Company: Van de Velde Packaging Unipap a.s.

Category: Transit

ADAPT packaging solution

The added value of the ADAPT packaging solution lies in its adaptable height. The height of this pallet box can be variably telescoped by up to 500 mm thanks to specifically designed locking elements. This makes the packaging versatile for a wider range of packaged products with different dimensions, to which it always adapts readily. The space freed up can then be used for stacking additional ADAPTs, thus optimising pallet height and transport costs. User-friendly, this model also features a customized marking of each shell height position with an article and a QR code for the specific packaged part for quick box conversion.

The ADAPT is designed for repeated circular use.

Medovnik - sweet savings

Company: Smurfit Kappa Czech s.r.o.

Category: Food

The octagonal cake box for Medovnik needed a change. Not visually, but structurally. It had an "serpentine" character, was difficult to fold and, most importantly, was cost and functionally inefficient. We proactively came up with a solution that delivered a significant 51% material saving and dramatically accelerated the packaging process by 33%. The end user still receives their favourite honey cake in 4 flavours in a beautiful offset-printed packaging, indistinguishable at first glance from the original, yet with a significant impact on material consumption and the packaging process. It resulted in 56% CO2 emissions saving bringing an actual reduction of 29 tonnes.





CZECH AND SLOVAK PACKAGING INSTITUTE SYBA

Czech and Slovak Packaging Institute SYBA is a professional organization that promotes the development and innovation of packaging technology in the Czechia and Slovakia.

SYBA is the leading authority in the packaging industry, offers you a unique opportunity to improve your skills and knowledge. Join us and gain access to exclusive educational content, innovative research and cutting-edge expert resources to take your career and business to the next level.

SYBA's emphasis on sustainability, innovation and technological advancements allows you to stay ahead of the curve in the dynamic packaging sector. Join us now and be part of the community that is shaping the future of the packaging industry.

Join us and be part of the change! Visit our website for more information and discover how you can expand your horizons in packaging design and sustainability.



The Czech and Slovak Packaging Award: 30 years of awarding innovative packaging solutions. "Obal roku" is a packaging competition that takes place annually in Czechia and Slovakia. The competition aims to recognize and reward the best packaging designs in various categories, such as food and beverages, pharmaceuticals, cosmetics, and others. The competition is open to companies, designers, and students who can submit their packaging designs to be judged by a panel of experts based on criteria such as functionality, innovation, sustainability, and aesthetics.



SCAN ME



SCAN ME



SCAN ME

■ **ABOUT SYBA:**
www.syba.cz | info@syba.cz

CZECH REPUBLIC AND SLOVAKIA

Pierot

Company: greiner packaging slusovice, s.r.o.

Category: Food

Most significant change was the shape of the bottom part of the cup, which brought most benefits. Original cup was injection molded with small foot. New cup is being thermoformed, due to technology limits, the foot design is different. This change allowed us to safe approx. 48 tons of plastic material. Better stack ability of the cups allowed us to pack more pcs. in the carton and on the pallet. This has as well positive impact on filling productivity at the dairy. Overall, this resulted in reduction of shipments by more than 100 trucks per year with the total of 108 tons of CO2 reduction per year.

Further reasons for being a winner are that we have come with very sustainable product re-design, preserving main characteristics, which customers value for more than 20 years. Our approach was evolution rather than revolution during the redesign involving dairy which is filling the cup as well as final consumers through social media awaiting reactions from rather conservative market environment. Thanks to the long-term and high level relationship with our customer, we have managed to connect three key factors together. Maintaining an exclusive packaging look for a premium product, new incoming trends in the packaging industry and the requirements of legislation for sustainability. By connecting these three levels, we can not only present the new attractive Pierot cup to the market, but also offer significant benefits in terms of reduced plastic weight and a substantial reduction in CO2 due to reduced transport costs.



Pierot
2002 - 2023

Traditional yoghurt brand

Unchanged packaging since 2002



Recyclable PE monostructure for coffee packaging

PE monostructure barrier laminate

Company: Chemosvit Folie

Category: Packaging Materials and Components

PE based fully recyclable triplex monostructure with metalised appearance and with excellent barrier properties. It substitutes non recyclable structures with PET or AL layer. Due to excellent barrier properties is the monostructure suitable for the packaging of coffee, dried nuts and other food. The laminate has high barrier properties against light transmission, moisture, oxygen and aromas barrier. It offers the potential for food producer to switch to recyclable packaging solution on the same packaging machine and at the machine speed as not recyclable versions. The top layer of the structure has high termostabile properties, close to PET film. The inner layer of the structure has low sealing properties and due to this facts the sealing window of the final structure is wide. The structure is one side sealable (inner layer) and it seals through the contained surface (powdered food) and has very good hot-tack.

PEG P.ACK

Company: Van de Velde Packaging Unipap a.s.

Category: Transit

Packaging solution PEG P.ACK

The PEG P.ACK packaging solution is a secure transport packaging for luxury roof boxes with an unexpectedly practical added value. The packaging set consists of internal protective fixing frames made of corrugated cardboard with partial contact elements made of technical foam for maximum security of the product during transport in any position. The fixing set is fitted with handling handles for easy insertion and removal of the product from the outer packaging. The packaging solution includes a support for hanging the box on a wall, for example in a garage. This practical helper is made of folded corrugated cardboard and is treated against moisture with a special impregnation. The piece is complemented by customized PVA elements for easy hanging of the box.



Power Steering Rack and Pinion

Company: Tri-Wall Slovakia s.r.o.

Category: Transit

Final destination of this packaging is Mexico City and its transported by plane and ship. One pallet weighs 360kgs and stacking in sea container is 1+1. Previous supplier had 12pcs in one packaging but we increased into 20pcs per one packaging. Thanks to this increase we can load 480pcs of products instead 120pcs per one container. We also reduced used sea container per one year volume for our customer delivery. For a long time they send 750 sea container per one year but after our packaging solution they use only 188 sea containers per one year delivery. We saved for customer 75% of sea containers per one year volume delivery. Final result ? Increased pcs in packaging, boxes in sea container and decreased used sea containers per one year volume.

Thanks to this optimization we have only about 20% free space in sea container. If we take average price for sea container 5000€ then our customer with our packaging solution saves about 2 810 000€ for delivery per one year volume. Important fact is that we created this solution during time (2 years ago) when sea container cost 15.000€+. Packaging saved interesting money on transport and massively reduced CO2 by less volume on containers.

DENMARK

PPG

Company: SMURFIT KAPPA DANMARK A/S

Category: Household

The Bag-in-Box (BIB) is a sustainable packaging solution, combining cardboard and plastic for applications beyond the food industry, now extending to painting. Its minimal headspace ensures close to 100% airtight packaging, enhancing durability and shelf life. The user-friendly tap mechanism minimizes spills during pouring. Sustainability is a key focus, with the cardboard box made from 100% recyclable materials and the bag containing 75% renewable materials, reducing plastic usage by 80%. Storage logistics are optimized, with flat storage allowing for a significant increase in units on a pallet, leading to a smaller carbon footprint during transportation. The BIB stands as a next-generation packaging solution, harmonizing sustainability, functionality, and space efficiency.

The Bag in Box (BIB) represents a widely recognized and sustainable packaging solution, harnessing the synergy of cardboard and plastic bags. Traditionally, this concept found its niche in the realm of the food industry, but it has now expanded its domain to encompass the world of painting. Practicality extends to storage logistics as well. Warehousing needs see a notable reduction with the BIB. The boxes are conveniently stored flat, allowing for an impressive increase of between 30% to 300% more units on a pallet when compared to conventional packaging methods.



House of Botanique

Company: SMURFIT KAPPA DANMARK A/S

Category: E-Commerce

This innovative packaging solution is tailored for the safe shipment of potted plants in e-commerce. With dual compartments for pot and soil, it ensures intact delivery and prevents messy spills. The cardboard construction adds stability, addressing concerns about plant fragility. A user-centric design includes a smart opening mechanism, enhancing the unboxing experience and protecting plants during unpacking. An integrated handle adds convenience for transport. The medium-sized box accommodates various plant heights, optimizing shipping efficiency and minimizing excess air. This innovative packaging design expands the product portfolio of webshops to include plants, affording customers the opportunity to shop for plants at any hour of the day, 24/7. *The medium-sized box serves a dual purpose, effectively accommodating two different plant heights. The top section of the box can be removed, yet the package can still be securely closed, a feature that not only optimizes shipping efficiency but also minimizes the wasteful shipping of excess air.*



EGYPT



Plastic Pressure Filter

Company: Sadko Plast

Category: Food

Plastic pressure filter for food products, designed to keep them securely pressed at the bottom, preventing them from floating to the surface and avoiding the appearance of mold on the food product's surface. It also helps prevent residue buildup. This filter is for pickles and cheese or any food product placed in a liquid for preservation.

FINLAND

Ultralight Pizza Box

Company: Metsä Board Corporation and Adara Pakkaus Oy

Category: Food

Metsä Board took an unconventional approach by involving all supply chain stakeholders in a collaboration aimed at enhancing pizza packaging sustainability and efficiency, which was the key to enhancing the properties. This innovative pizza box is extraordinary, designed to reduce material and printing ink consumption without compromising performance, function, print quality, and product safety. It is produced by Adara. The corrugated packaging is made from fresh fibre white kraftliner and features also an unusual and smart closure lid, which opens on top and saves space at the table. Using pure virgin fiber food-grade packaging is crucial for minimizing migration risk, exceeding regulations and standards compared to recycled material boxes. Freshly baked pizza's high temperature, grease, humidity, and prolonged contact with the box benefits choosing packaging materials specifically designed for such conditions. Despite material reduction, the box is still stable and protects pizzas, achieving a remarkable 38% reduction in carbon footprint compared to the currently used solution.



Child-Resistant Packaging

Company: Jaakkoo-Taara Oy

Category: Medical and Pharmaceutical

Child-resistant packages make it harder for children to extract hazardous materials, such as pharmaceuticals, from a package.

There is a need for a child-resistant package, which can be prepared with low costs from a single blank of carton, which has a simple construction, is relatively easy to open by adults and which retains the child-resistant properties after numerous opening and re-closing of the package. The package can be produced in automated assembly machines with low costs and consistent child-resistant quality.

The present invention comprises a child-resistant package comprising an outer casing and an inner casing arranged slidably within the outer casing and being movable between a closed position and an open position wherein immediate opening of the package from the closed position to the open position is prevented.



Transport Packaging for a Washbasin Made of Wood Composite

Company: Stora Enso Packaging Oy

Category: Other

The same packaging is used to pack eight 600 x 400 washbasins of different shapes. In the new packaging concept, one inner part works for all washbasins of different shapes (in the old packaging there was 5-7 inner parts depending on the washbasin shape). In the new packaging concept, the bowl is supported by its flat bottom (not from the bottom valve). The bottom valve of the washbasin keeps it in place during transport. Material savings even though the outer packaging has been replaced with double wall corrugated board instead of earlier used single wall corrugated board. Improved protection properties due to the strong and robust construction. Simplified inventory management due to the reduced no. of packaging parts. Streamlined packaging process, process is simpler and faster. Mono-material solution based on renewable and recyclable materials. Easy for sorting and recycling.

Packaging concept can be easily adjusted to different size of the product, e.g., 400 x 400 washbasins.



Ammunition Package Solution with Unique Access Code for Customer Interaction

Company: Pyroll Packaging Group Ltd
 Category: Digital Packaging

Nammo Lapua, world's leading ammunition manufacturer partnered with Pyroll Packaging to create a sustainable fully carton-made package solution with interactive Lapua Club service for their well-known ammunition products. World class companies need world class solutions! We, Pyroll Packaging, combined our manufacturing set-up, digital back-end and e-commerce knowledge in Pyroll Digital platform and added fulfillment services with a fully carton-made package solution to offer Nammo Lapua service for consumers.

This ammunition packaging ensures that products are safely delivered during transportation, as each case has own slot. The packaging encourages to interactivity between manufacturer and end users around the world. In every packaging there are instructions to join user club and a unique code. Most active members get more benefits, more information about products and downloadable material that cannot be found elsewhere. You'll find Lapua Club Service page here: <https://www.club.lapua.com/en/>



Artek – Carry Away

Company: DS Smith
 Category: E-Commerce

Artek is well-known high-quality brand. It stands for clarity, functionality, and poetic simplicity. So needs the packaging as well. This is why the Carry Away solution was created. Designer created simply mono-material solution to replace the old version of chair's leg packaging solution which was plastic foam. The new version is made fully from fibre: box itself and inner parts covering legs and seat part are all fibre based materials. No need for plastic. The outer box has handhole, it is easy to carry with. One package can fit several different kind of chairs. This packaging can cover several different sizes of products, it means less materials to keep in warehouse. Mono-material solution means easier for end user to recycle but protection of the well-known high-quality product is not compromised. This package is omnichannel solution. Same package can be used to transport the products to stores and for online selling.

Display with 3in1 Hood

Company: Adara Pakkaus Oy
 Category: Point of Sale

Display consists of pile of four boxes with open face and hood that covers the pile. When you remove the hood in store, the speciality with this solution is that you get not only a footer from the hood, but also a support part. The support part can be installed inside the footer to get strong construction to carry heavy boxes. This solution saves the material, because you don't need separate parts for footer, hood and support parts.



Arctic Blue Gin Northern Lights premium pack

Company: Starcke Oy
 Category: Alcoholic Beverages

Our holographic sales pack is a game-changer that deserves the WorldStar 2024 winner title for numerous reasons. With its cutting-edge technology and innovative design, it stands out as a revolutionary marketing tool. The skills and co-operation of enthusiastic people of 2 separate companies between the pre-media, printers and hot stampers/embossers enabled to make the extremely complex process possible and easy-to-repeat in the future - even in a small batch.

This sales pack offers a visually stunning and immersive experience that captivates customers effectively everywhere. The holographic vivid illustration grabs attention and creates a memorable impression. This interactive motif (consumer actually makes the Northern Lights to dance) approach makes it a powerful tool for attracting potential customers, leaving a lasting impact, and increasing brand recognition. Combination of thin foil (human hair is 6000 times thicker) and eco-friendly inks and certified cardboard makes this plastic free box recyclable.

A Fully Fibre-Based Chilled Food Packaging Solution

Company: UPM Specialty Papers and Fazer
 Category: Food

UPM Specialty Papers and Fazer have co-created an innovative, recyclable fibre-based packaging solution for Fazer's Oat Rice Pies. No plastic lamination layer is needed to protect the product or for heat sealing the packaging. The packaging solution reduces the use of fossil-based materials and improves recyclability. The packaging also safeguards the taste and food safety of the Fazer Oat Rice Pies until their best-before date. Unlike traditional plastic-coated papers, the barrier paper can be sent directly from the paper mill to the printer, avoiding one conversion step of adding plastic lamination layer. This translates to 1,000 kg of plastic saved each year. The solution is based on the UPM Confidio™ barrier paper. Made from renewable fibres, UPM Confidio is repulpable and designed to be recycled in regular fibre recycling streams (reject rate 1 %). As a barrier paper, UPM Confidio combines moisture and grease resistance with excellent heat seal properties.



Shipping package for Bicycle frame

Company: Pa-Hu Oy

Category: E-Commerce

This simple three part insert does everything it is asked of. It touches the bicycle frame only in three places, minimizing the risk of scratching the paint and surface of the bike. It keeps the frame firmly in place, and prevents it from touching the outer packaging. The front of the insert can be easily adjusted to fit the chosen frame size, and the back of the insert fits all of them without any adjustments. The front fork of the bike is hidden inside the bottom insert, secured in place there. All three inserts snap to form easily and are quick to assemble. Free space is left inside the inserts for the possibility to add additional parts such as screws etc. Customer can see the bike immediately when opening the box and unboxing is pleasantly easy for an object this size.

One package fits 3 different frame sizes.



FRANCE



The POREfessional

Company: ALLTUB GROUP

Category: Packaging Materials and Components

Benefit Cosmetics, the well-known Californian cosmetics brand trusted the aluminium tube and Alltub France for its new launch: The POREfessional. The feelgood brand chose a >95% PCR aluminium tube as the packaging for its latest innovation: a quick smoothing pore mask. A matt transparent lacquer was applied in order to reveal a brushed aluminium aspect of the tube. The brushed effect was enhanced by using specially developed press tooling, reducing the intensity of the extrusion marks along the whole length of the tube. Another challenge was in the printing of this tube, achieving the eye-catching turquoise matt and gloss effect on the front face and obtaining the quality of print registration required at the circular matt/gloss interfaces on the tube. Aluminium tubes represent the perfect solution and perfect match for all the characteristics sought by Benefit Cosmetics ...sustainability, technical compatibility and a punchy print design!

Benefit Cosmetics is owned by the luxury group LVMH; it's the N°1 brow brand worldwide in over 50 countries, and continues to look for new ways to put a smile on peoples' faces! It's nice to see a trendy global brand such as Benefit Cosmetics turning to aluminium tubes again after a break of (too) many years!

GERMANY

WELLA CARE Premium Boutique Bottle

Company: WELLA Company

Category: Health and Personal Care

The bottle with patent applied multi-layer structure enables the use of recycled plastic for cosmetic products like shampoos, conditioners, and others. Given the structure of the bottle design needs on color can still be matched. We have chosen an attractive design with the bottle color to be white over the whole WELLA Premium Boutique line-up. This is not only appealing for consumer but also enabling to recycle in a favorable recycling stream to support circular economy.

The inner layer is from virgin plastic to protect the product, with the middle and outer layers composed of non-food grade plastic, allowing masterbatch or effect additives to decorate the bottle. This structural composition supports the use of up to 80% PCR plastic, enabling our corporate carbon footprint reduction targets. To enable recyclability the bottle is designed according the WPO Packaging "Design for Recycling Guide": Bottle and label are from same PE-plastic without any barrier layer. Thanks to the screw-off PP-plastic closure the bottle can be recycled separately. We selected the bottle color as white across the complete WELLA Premium Boutique line-up. This allows recyclability for light color recycle while the small virgin part supports recycle quality. This is our contribution to circular economy.



Top Tube

Company: LINHARDT GmbH & Co.KG

Category: Packaging Materials and Components

Our Top Tube shows that continuously questioning today's solutions can lead to an improved packaging for tomorrow. LINHARDT once again challenged the plastic tube as sustainable packaging – which resulted in an improved packaging solution that unites the sustainability triad of material reduction, use of recycle and recyclability.

Here's what makes our product outstanding: Unlike usual plastic tubes, the Top Tube's shoulder takes up the function of the cap's head plate, which makes a significant material reduction possible. In combination with reduced wall thickness (350 - 270 µm), the weight of a 200 ml Top Tube is cut by almost half compared to a standard tube (Ø 50 x 160 mm: Top Tube (300 µm wall thickness) ~12.0 g vs. standard flip-top tube (500 µm) ~22.8 g).

By transitioning from a standard tube to Top Tube, the closure's weight decreases by 73% (2.01 g Top Tube closure vs. 7.3 g standard flip-top closure Ø 50). Thus, the Top Tube closure has a 73% lower carbon footprint than a comparable standard flip-top closure (incl. HDPE, injection moulding and material transport). The tube body and shoulder are possible with up to 100% PCR plastic. The closure is made of HDPE, which makes our innovative tube a mono PE solution with high recyclability. A 200 ml Top Tube with a diameter of 50 mm has a restitution rate of 98,8% which is higher than for other comparable tubes.

Combi-Box

Company: AROMA ELITE Naturkosmetik Manufaktur

Category: Health and Personal Care

The Aroma Elite Combi-Box is a game changer in packaging solutions by combining practicality and branding into one. It won the prestigious gold prize at the German Packaging Awards 2023 for its innovation and efficiency. This revolutionary packaging is perfect for storing, protecting and using solid cosmetics and other items.

What sets the Combi Box apart from traditional packaging is its ability to screw with each other and its adjustable bottom. With the movable bottom, the space inside can adapt to the size of the product. This feature, combined with the breathable lid that doubles as a base for using products, ensures reliable storage and protection.

The Combi Box not only reduces waste by eliminating the need to throw away packaging after purchase, but is also part of the whole product. By integrating functionality into the packaging, brand perception is improved, providing a seamless and enjoyable user experience.





AROMA ELITE
NATURKOSMETIK MANUFATUR

The Aroma Elite **Combi-Box** revolutionizes packaging by seamlessly integrating practicality and branding, making it ideal for solid cosmetics and other items. Its unique design includes screwable compartments and an adjustable bottom, allowing for adaptable storage space and reliable product protection. By minimizing waste and enhancing user experience through integrated functionality, the Combi-Box enhances brand perception while offering a sustainable solution.

THE COMBI-BOX

CONVINIENT

An ideal foundation for solid cosmetics usage is a lid equipped with a pad. This pad is breathable, allowing for proper air circulation and ensuring the freshness of stored items.



INNOVATIVE

Thanks to the threads on the lid and base, all products can be screwed together. It can be used as a convenient travel set and takes up less space when stored.

FUNCTIONAL

The Combi-Box lid features breathable perforations that allow for proper air circulation, ensuring the freshness of stored items. These perforations keep the product dry and safe to consume.



To prevent the product from hanging around in the Combi-Box, shrinking in size as it is used, we have created a movable base that reduces the internal volume of the box, facilitating its efficient use.

ADJUSTABLE

Simply push the Combi-Box base until the product contacts the pad.

SAFE & SUSTAINABLE

Aluminum is an environmentally sustainable choice as it is both lightweight and durable, and can be fully recycled.

LET'S EXPLORE THE ENDLESS POSSIBILITIES!
Discover a wide range of products that can be conveniently stored in Combi-Box!



The Combi-Box offers an eco-friendly alternative as it is infinitely recyclable, reducing the need for single-use plastics. Its durability minimizes waste generation and contributes to a greener future.



Muhr-TinKart

Company: Muhr & Söhne GmbH & Co.KG, Sika Deutschland GmbH

Category: Packaging Materials and Components

A NEW Packaging solution: how to avoid more than 25.000 tons plastic waste with Muhr-TinKart! An easy move into a circular economy.

The Challenge: Up to now, silicone and acrylic is filled in to PE- plastic cartridges. Do to the "contamination" of silicone (e. g.), these plastic cartridges have to go to the waste bin disposal and cannot be recycled in conventional recycling plants. Plastic cartridge users have been searching for a solution for years. We have got it! The solution: With the newly developed Muhr-TinKart, the first cartridge made of tinplate, we make it happen, because it is almost 100 % recyclable even with product adhesives! Why? Due to its magnetic properties, the Muhr-TinKart will be picked automatically, it doesn't matter if it is deposited by mistake into waste bin.

PharmaGuard

Company: SÜDPACK Verpackungen GmbH & Co. KG

Category: Medical and Pharmaceutical

More and more companies in the pharmaceutical industry are anchoring sustainability in their strategic corporate goals – and implementing sustainability initiatives within their entire value chain. One catalyst on the way to a more sustainable business is packaging. Thus, the substitution of a less environmentally friendly packaging concept with a recyclable alternative can have a major impact on the environmental impact of the respective product. As a PP-based mono solution, the innovative PharmaGuard blister concept is recyclable - and meets the specific requirements of the pharmaceutical industry.

The bottom and lidding films are produced applying a unique coextrusion process. Both film structures are based on PP and are perfectly aligned to each other, particularly in terms of their sealing performance. This guarantees not only the highest packaging quality, but also maximum safety in a highly efficient process. Depending on the product to be packaged, the PharmaGuard films can be equipped with different barrier and mechanical properties for optimum product protection and best possible stability. Compared to the PP-based blister film solutions currently available on the market, the SÜDPACK solution also scores with a particularly high level of transparency, allowing a high visibility of the product. A screening life cycle analysis carried out by Sphera proves that the packaging concept has a significantly lower climate impact (in CO₂-eq.) of up to 47% as well as a lower energy and water consumption compared to the blister solutions commonly used.



Fiber Coffee Capsule

Company: PAPAACKS Sales GmbH, Euro-Caps Holding B.V.

Category: Food

PAPAACKS coffee capsules are a sustainable innovation that outperforms conventional plastic and aluminum capsules, embodying sustainability and responsibility in every aspect of their design.

Sustainable materials: Crafted from renewable and FSC®-certified virgin fiber, PAPAACKS coffee capsules reduce waste and optimize resource use. The plastic-free PAPAACKS® Plant-Based-Coating keeps coffee fresh while maintaining the capsule's structural integrity for smooth use in coffee machines.

Compostable/Biodegradable: Compostable capsules and coffee grounds minimize environmental impact, aligning with PAPAACKS' social responsibility and circular economy principles.

Superior performance: The plant-based coating ensures that coffee stays fresh and flavorful, while the capsule's design ensures a perfect cup of coffee every time.

The perfect choice: PAPAACKS coffee capsules provide a sustainable and convenient option for enjoying great coffee, suitable for both consumers and businesses, without environmental harm.

A deserving recipient: PAPAACKS coffee capsules represent a significant stride forward in sustainable packaging, offering a guilt-free and planet-friendly choice for consumers.

Paperfloc Eco

Company: easy2cool GmbH

Category: Food

Our innovation "paperfloc eco", a paper-based insulated packaging, is revolutionizing the e-commerce packaging market for the shipment of goods that require chilled shipping. As the e-commerce market for chilled goods is steadily increasing, our goal was to find an environmentally friendly insulation material that could serve as a sustainable alternative to expanded polystyrene (EPS). Our solution: cellulose fibers made from recycled waste paper. Our proven paperfloc technology ensures that food stays well refrigerated during shipping and thereby eco-friendly and easy to recycle. Our sustainable alternative is mainly used for shipping fresh and frozen food (e.g. meat, fish, vegan alternatives, ready-meals or desserts). Our customers rely on the high-performing insulation, which not only can be seen as social benefit for the B2B customer, but also offers a eco-friendly solution for their end consumers for disposal.

On the occasion of the Innovation Day for Medium Sized Companies (SMEs) 2021, easy2cool GmbH was honoured by the German Federal Ministry for Economic Affairs and Energy (BMWi) as ZIM Cooperation Project of the Year for the development of the ecological paperfloc insulating packaging.



Tandil 3-in-1 Caps Box

Company: ALDI SÜD Dienstleistungs-SE & Co. oHG

Category: Household

For the first time, ALDI SÜD is deeply involved in its supply chain and assumes personal responsibility by successfully creating a unique collaboration involving retail, supplier, packaging producer, recycler as well as waste management. As a result, ALDI SÜD - together with Interseroh+ and Interzero Plastics Innovations - introduced the Tandil 3-in-1 detergent caps in a maximally sustainable packaging. The box now contains 92% recycled polypropylene (the additional 8% are additives necessary to stabilize the material) obtained from German household waste (yellow bag/bin). Adding to that, the packaging is 100% recyclable (20 out of 20 points as accredited in Interzero's Made 4 Recycling certificate). In order to achieve maximum sustainability, ALDI SÜD and its strategic partners made the bold decision to adapt the design of the packaging and avoid elaborate sorting and coloring processes. Customers can now find the packaging in a uniform grey color in the shelves, while the two product types are distinguished by differently colored labels. Not only does the new packaging save up to 29 t of virgin material per year, but it also fosters the circular economy through a loop concept, going from packaging to packaging. ALDI SÜD and Interzero managed to complete the technical implementation in less than a year with a clear goal in mind: To offer consumers the same quality at the same price, but now in the most sustainable packaging.





So that **Eco**
is really **logical**

Certified and award winning transport protection - AirCushions made from 82% trash

AirWave ClimaFilm-100 is made of recycled material, mostly coming directly from the end-user's disposal channels (PCR-post consumer recycled). AirCushions provide a safe and environmentally friendly packaging for all types of goods - because it is just 1% material and otherwise only air.

- a sustainable solution, that safely protects any packaged goods
- ClimatePartner certified
- awarded with the German eco label Blue Angel
- smallest footprint
- air filled at the packing station
- **WorldStar Winner 2024 in two categories: e-Commerce and Packaging materials and components**





Aryzta Outer Packaging for Donuts

Company: Smurfit Kappa GmbH

Category: Labeling and Decoration

The Aryzta company supplies supermarkets with frozen baked goods. The previous procedure for labelling the best before date caused major logistical challenges. The baked goods packed in trays were transported to a logistics company in a conventional FEFCO 0201 outer packaging. There they were unpacked, labelled with the best before date and repacked in cardboard crates so that they could finally be delivered to the distribution centre of the supermarket chain.

Redesigning the outer packaging by adding a simple tear-open perforation to the sides of the previous design now allows labelling without the additional step of unpacking and repacking the baked goods at the logistics company. Labelling is now done directly at the supermarket's distribution centre. This small change has a huge impact on the logistics process, both sustainably and financially. Since repacking into trays is no longer necessary, annual savings of €370.000 and 144 tonnes CO2 are achieved.

Automatic Bottle Protector

Company: Smurfit Kappa GmbH

Category: E-Commerce

The top players in the German online wine market achieved a >20% increase in their sales in 2020. To keep up with growth, optimised packaging processes are important.

This patented bottle protector was developed to provide an automated and economical solution for packaging bottles. Made of corrugated cardboard, the protector is designed to be used for shipping bottles of various shapes and sizes for multiples of three. The one-piece protector is glued and shaped in the folding station within a few seconds, glued together to form the respective unit and can be inserted into the shipping package easily and quickly. The design of the protector makes it possible to use standard shipping cartons that can be shaped by standard erectors. This saves time, handling effort and investment costs.

Due to a significantly improved efficiency, a cost reduction of approx. 80-90 thousand Euros per year is possible for our customer Wein&Vinos, leading online supplier for Spanish wines in Germany. Additional cost savings due to the packaging cannot be defined exactly at the moment (price negotiation), but it will definitely be EUR 30.000.



ClimaFilm-100 Blue Angel

Company: Floeter Verpackungs-Service GmbH

Category: E-Commerce, Packaging Materials and Components

AirCushions made from ClimaFilm-100 are 100% recycled material content, most of which (82%) comes directly from the end-user's disposal channels (PCR - post consumer recycled). E-commerce is one of the fastest growing industries of the world with the most diverse packaging application performed by many demanding customers. That is why sustainable materials take on a particularly high priority for both – packers and consumers. Due to the high content of household plastic trash in ClimaFilm-100, customers can save the recycling fee and the single use plastic tax in most of the countries, where a plastic tax is applicable. This allows big savings on taxes, prices and penalties. There is no comparable AirCushion film in the market that has an 82% PCR content and is processed to an AirCushion of less than 22µm making ClimaFilm-100 globally unique.

Advantages: 1. carbon-neutral air cushions produced in carbon neutral company 2. raw material is already 100% recycled and goes into the second / third life cycle 3. the 82% PCR content is entirely sourced from EuCertPlast certified partners close to our manufacturing hub 4. Available as thin film (22-25µm) or as more robust film for heavier and more complex packaging goods (protrusive or sharp) EcoWave-100 is the trade name of ClimaFilm-100 air cushions also made and sold from our sister company AirWave Packaging in the US.



Shoulderflex Lightweight PET Bottle 5,95g

Company: Kronen AG

Category: Non-Alcoholic Beverages

Technical edition of „ShoulderFlex“

A (filled) top-load of over 40kg at a bottle weight below 6g (500ml PET-Bottle) without N2-pressure, is unrivaled.

-Up to 50% saving in PET Material compared with commercially available 500ml bottles.

-No Nitrogen dosing necessary.

-Typically, lightweight bottles struggle with “turtle necks” (collapsing bottles).

-A unique bottle shape with the integrated flex-area which absorbs the (Top-) load.

This flexible area generates an overpressure while its compressed. This overpressure creates additional stability and improves stackability.

-Large parts of the world suffer from water shortages and unsafe water supply systems. After breathing, drinking is our most important basic need. A global trend is the development towards increasingly mobile lifestyles that include drinking “on the go”. - Our development focuses on meeting these needs in a resource-saving manner. Lower bottle weight means lower CO2 footprint! - The challenge in this field is not the production of containers that are as light as possible, but of containers that are as light as possible and can also meet practical requirements. This solution fulfils standard market requirements even without the frequently used internal nitrogen pressure, i.e. even more efficiently and with less effort. - A (filled) top-load of over 40kg with a container weight of less than 6g (bottle, PET) and that without N2 internal pressure was previously unattainable!!



Innovative Floatable Full Body Sleeves for Henkel Softeners

Company: Henkel AG & Co. KGaA

Category: Household

To improve the recyclability of the PET bottle bodies of its fabric softeners in Europe, Henkel partnered with CCL who has developed a new generation of floatable polyolefin material for shrink sleeves called EcoFloat®. This low-density material can be separated from PET bottle components during the sink-float separation process at recycling facilities. While the heavier bottle material sinks to the bottom of the water baths, the lightweight sleeve material floats to the top, even with full printed designs. This enables a clean separation of the PET and the label material, which is necessary to gain high-quality PET recycle.

The bottle body of Henkel's fabric softeners in Europe already consists of 100 percent recycled PET. Using the new sleeve material, they are now also designed for recycling. Many consumers don't remove the sleeve before discarding the bottle, which mostly means that the bottle cannot be recycled either. We have now found a solution to enable the recycling of our bottle bodies in this case.

Shipping Packaging for Client Pralinenbote GmbH

Company: Pohl-Scandia GmbH

Category: E-Commerce

The shipping packaging for our customer Pralinenbote GmbH convinces with several points:

- a single packaging with a perfect fit for several items.
- one-piece packaging that does not require separate components
- high quality and yet sustainable appearance
- increased opening convenience due to a tear strip
- good recyclability
- increased product protection due to buffer zones
- increased picking speed
- Increase of picking comfort
- Less administration and ordering effort
- packing space optimization
- Scalable for further product sizes

CO₂ compensated by supporting fountain systems in East Africa, forest reforestation in Central Uganda and the support of the German Forest.



Mary Cohr

Company: Edelmann Group

Category: Health and Personal Care



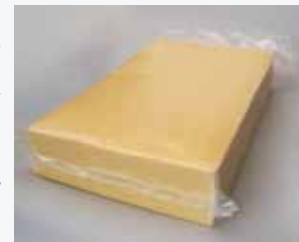
Previously, premium beauty products packed in folding cartons were wrapped in transparent film for protection and tamper evidence. However, new regulations on plastic reduction prompted Edelmann Group to develop this innovative tamper-evident cartonboard solution. The challenge for the designer was to enhance shelf appeal, be compatible with filling machines and offer tamper-evident protection. This ingenious pack, created with Sappi Deutschland virgin fibre cartonboard, features two side flaps for closing, an additional flap, and a lid with a tuck-in flap. The additional flap features a black dot, while a side flap displays a green dot. After the first opening, the additional flap is torn off, revealing the green dot. When the packaging is closed again, the green dot on the side flap becomes visible. This eliminates the need for film wrapping. *Eliminate film wrapping for perfumes and high-end cosmetics in folding boxes. Reduction of plastic consumption in general. Filler and end consumer only have the mono-material cardboard. The folding box has an additional flap and a lid with a tuck-in flap. Finger hole and additional flap are provided with sensitive holding points which are destroyed after the 1st opening. The additional flap is printed with a black dot, the side flap with a green one. After opening, the additional flap is torn off. Green dot becomes visible through the lid. Jury: The highlight is the carton board tamper-proof seal, something that we have never seen before. It is a convenient, simple, and environmentally conscious method for consumers and retailers to see if the pack has been tampered with. Ingenious in its kind, it will change the future of tamperproof packaging and remove the need for non-recyclable packaging.*

Tubular Bag PurePE

Company: SÜDPACK Verpackungen GmbH & Co. KG

Category: Food

Due to its recyclability, material efficiency and its reduced CO₂-impact, the innovative Tubular Bag PurePE from SÜDPACK is considered a real packaging revolution for the cheese maturing industry. Dairy processors are increasingly turning to sustainable packaging concepts. Thus, the demand for PE-based film concepts is increasing significantly, as these structures are classified as recyclable in many countries. SÜDPACK's innovative polyethylene-based cheese maturing film Tubular Bag PurePE meets all relevant sustainability requirements. Despite its reduced thickness, the material offers a high puncture resistance and ensures a perfect exchange of the atmosphere which is indispensable in the cheese maturing process. The thickness of the material has been reduced from 130 µm to 100 µm, which results in a reduced plastic consumption of around 23%. In addition, the high-performance film is recyclable at a level of 96% (certified by the cyclos-HTP institute). The sustainable cheese maturing film also scores well in terms of its relatively low climate impact, which is -52 g CO₂ eq./m² (-19%) lower compared to conventional PA/PE structures. In spite of its advantages with regards sustainability, the PE based film ensures maximum product protection and offers all relevant functionalities for an optimum cheese maturing process, inter alia a high puncture resistance as well as appropriate barrier properties. Close cooperations with machine manufacturers ensure that the packaging concept is optimally adapted to fully and semi-automatic packaging machines, thus offering optimum processability as well as packaging reliability.



Full PE Pouch 3 Liter Recyclable

Company: Bischof+Klein SE & Co. KG

Category: Packaging Materials and Components



Bischof+Klein has set itself the target of integrating this product completely into the circular economy. Today, it is up to 98% recyclable according to the CHI standard. The standard PET/OPA/PE laminate has been replaced by a 3-ply PE laminate. The PET and OPA substances that disrupt recycling have been removed from the laminate. Only the printing inks and lamination adhesives that are used now reduce the product's recyclability. The "Full PE pouch 3-liter recyclable" is therefore the first recyclable stand up pouch with a capacity of 3 liters on the market. The stand up pouch is equipped with a resealable spout and a comfortable handle. The level of recyclability that has been achieved makes the pouch suitable as a substitution solution for existing canister packaging. Only approximately 33% of the material required for an HDPE canister with the same volume are needed for the pouch.

The unfilled stand up pouches also offer significant advantages during transport, as they require 88% less cargo capacity. Bischof+Klein also offers the option of using ISCC-certified material (chemically recycled or bio-circular) in the "Full PE pouch 3-liter recyclable." The "Full PE pouch 3-liter recyclable" has been used on the market for the first time by a customer this year. However, this does not mark the end of this product's development. Bischof+Klein is intending to further reduce the laminate thickness and therefore the amount of material that is used. The use of post-consumer recycle is also envisaged for non-food sectors. A PCR content of up to 30% is already possible in the pouch as a whole for stand up pouches up to 1.5 liters.

DEBAMED Speci-Bag with Speci-Sorb

Company: Anton Debatin GmbH

Category: Health and Personal Care

Our pack is the most effective packaging to date for leak-proof and compliant shipping of medical samples made from new or recycled plastic already designed for recycling

- To date, absorber pads (fleeces) have been inserted by hand into the transport packaging to prevent infectious liquids from leaking out
- Thanks to a new type of coating, both the process step and the pad can be saved

The pack is a medical courier bag for transporting medical samples between hospitals, laboratories and doctors office. The aim of the new development is to integrate the previously complex process of manually inserting individual absorber cuts into automatic mass production. Increased efficiency in production at AntonDebatin GmbH and the needs-based coating for the customer with reliable availability are the main advantages. If a sample container containing liquid breaks, the escaping hazardous substance is bound into a gel by the coating, thereby preventing further contamination in accordance with regulations. The gel-forming coating is firmly attached to the inside of the packaging. This is not the case with the absorber and in the past it led to the pads being lost and a significant safety gap in the transport of dangerous goods. With an easy to open notch you can remove the coated part to recycle the rest of the packaging.





TissueWave

Company: Smurfit Kappa GmbH

Category: Packaging Materials and Components

Shock-sensitive products are often packed in shipping packaging consisting of a paper-based cover with a glued insert made of plastic-based foam padding or bubble foam. According to a study by the German Consumer Initiative, packaging made of several materials is hardly ever separated by consumers.*

The vision to replace the foam with a 100 % fibre-based alternative emerged from the standard market solution. Two years of development have resulted in tissueWave. The primary material for tissueWave is a soft, mouldable cellulose. The embossed cellulose is formed into a corrugated shape, fixed and finally glued into the envelope. The innovative construction, which resembles corrugated cardboard, can be used as cushioning padding protection for sensitive products of all kinds. The entire packaging can withstand multiple loads and can simply be disposed of in the paper bin after use, without additional separation of the materials.

tissueWave, the sustainable application for foam!

*https://verbraucher.org/media/file/2911.8_Studie_Verpackung_01_22.pdf

PowFlex® vs

Company: Bischof+Klein SE & Co. KG

Category: Packaging Materials and Components

PowFlex®vs is the first polyethylene (PE) valve bag with deaeration performance like paper bags, adding the superb product protection of a PE bag. The bag uses a clever double layer construction with a perforated inner layer for high air transmission and a closed outer layer for high product protection. As a consequence PowFlex®vs increases the product shelf life of the filling goods, regardless if this are food, construction or chemical goods. Due to the higher product protection, PowFlex®vs lowers the product waste, leaving a direct environmental benefit. Filling goods require a high amount of CO2 for production, so it is our main goal to protect these resources. The full PE construction of PowFlex®vs shows a superb recycling performance. It is even possible to reuse the resulting recyclates in our own production, as PowFlex®vs is available with 30% recyclate. With our new PowFlex® venting system the air escapes through the double layer structure and two venting channels at the bottom and top patches, which close automatically after product filling. This results in much better protection against moisture and other environmental influences, reducing the product loss. PowFlex® vs is a substitute for current paper bags, which mostly consist of material compounds of paper and HDPE. The construction of these paper bags can cause trouble during the recycling process, as it is no mono-fractional material. Customers, currently using paper valve bags, can remain on the same filling lines without any changes. This prevents the customer from investments, giving current lines a higher sustainability. The high weather protection of PowFlex®vs enables customers to store their filled products outside, avoiding the necessity of heated warehouses to reduce costs and pollution.



GREECE



X-LOOP I PCR Pouch Packaging Solution

Company: A.HATZOPOULOS S.A.

Category: Packaging Materials and Components

A.HATZOPOULOS S.A. innovates for the development of new packaging solutions that will define the sustainable future of flexible packaging. X-LOOP refers to the novel range presented by the company in 2023, which contains materials that incorporate circular, post-consumer recycled – PCR plastics, thus actively contributing to close the loop on flexible packaging. With stand-up pouches being the most trending flexible packaging application, we have designed and brought to market an innovative X-LOOP solution dedicated to cover the needs of this packaging segment. The novel X-LOOP I PCR pouch packaging solution from this new product family is a laminate constructed from PCR films, reaching adjustable rates of post-consumer recycled content in its formulation up to 70%. This way it promotes plastics circularity, while ensuring full performance, absolute convenience, protection and shelf-appeal for various dry / liquid products.

The Wine Bag

Company: A.S. Strategy, Branding & Communication, A. Skaraki & Co

Category: Alcoholic Beverages

In the realm of packaging design, "The Wine Bag" is a stunning triumph, expertly blending elegance and innovation. This carton bag box for red wine is a masterpiece, meticulously crafted down to the finest details.

What truly distinguishes this design is its striking resemblance to a genuine leather bag. The use of leather-like texture and a carefully designed strap creates a captivating and realistic aesthetic. This attention to detail elevates "The Wine Bag" to a level of artistry rarely seen in packaging.

Beyond its visual appeal, this project's essence lies in the ingenious concept of transforming a wine box into a fashionable and festive accessory. This fusion of practicality and style positions it as a trailblazer in packaging innovation, redefining how we perceive wine packaging. "The Wine Bag" is a testament to the fusion of elegance and creativity, inviting you to savor the artistry in every sip.



Reusable | Recyclable package

Company: UNIPAK HELLAS CENTRAL S.A.

Category: E-Commerce

This resealable corrugated e-commerce box is an upgrade to the existing one, the additions made turned a single-use package into a reusable one, by including two sealing strips and one tear-to-open strip. The initial user seals the package, using the first sealing strips, for the first sendoff and the receiver opens it easily without damage using the tear-to-open-strip. Then the package can be re-sealed and mailed securely to another location using the second sealing strip. The new lock bottom technology also ensures the content's safe handling for each transition.

With sustainability being in the forefront, the development of the Calvin Klein packaging product line is 100% recyclable, has a long-term durability and usability. Waste is cut by half, as is the need for immediate recycling, which reduces CO2 emissions significantly. The Calvin Klein product is easy to transport, stack and unfold without compromising the integrity of the package's contents. The Resealable Box is beneficial for the corrugated manufacturer, and the customers while guaranteeing satisfaction of the end user as well.

Wasabi Sushi Tower

Company: Print Brokers Team Kft.
 Category: Food

The Wasabi Sushi Restaurant franchise asked us to create a new sushi serving product for them, instead of the expensive stylized ship-shaped wooden sushi "tray" they had been using before. They had numerous problems with the tray, for example its deposit was high, the customers rarely brought it back and its production time was long. The requirements for the new product were: environmentally friendly, disposable, lightweight and easy to transport, cost-effective and very elegant, with a table-top display that allows the sushi to be placed on the table immediately. The tower carries 9 boxed trays of sushi at a time, characterized by numerous features while achieving harmony of form and function. As well it combines the function of transport and service in a simplified product while expressing attractiveness and exclusivity as well as the wow factor.

base material: white E corrugated cardboard and 180 gr/m2 liner with four-colour printing, 100% recycled paper base material. It meets the requirements of selective collection as it is suitable for storing boxes, so it is not contaminated by food - easy to assemble - easy to disassemble, can be stored in a small space and can be easily transported after use in a disassembled form for recycling - optimized material-saving design thanks to its lightweight construction, - versatility of use: in point of sales areas, and at private and corporate events, - can be stored in a refrigerator due to its optimized size - the interlocking ears of the box are in the shape of a traditional Japanese knife - easy handling during transport thanks to its non-damaging carrying lugs



Radar Display Corrugated Transport Packaging

Company: DS Smith Packaging Hungary KFT
 Category: Transit

Radar display corrugated transport packaging. Raymarine, global leader in marine electronics for boating turned to us to design a 100% sustainable packaging solution by replacing single-use plastic in radar display packaging while providing maximum vibration subsension and product protection. We took a new, innovative approach by using corrugated paper to replace the traditionally applied EPE foam for vibration absorption and product stability in the transport of electronic products, meeting the specific needs of small series production. In the new design, we incorporated the material properties of corrugated paper into the structure as an advantage: the flute direction provides strength and capacity, layers form crumple zones, air cushions absorb vibration, the perpendicular to the flute protects against mechanical shocks, while the precise design secures the goods by the accurate fitting of the inserts.

To eliminate the single-use material, we used a folding technique to create the different inserts from 100% recyclable.

Dantoni Wine&Chocolate Box

Company: Keskeny & Co. Ltd. Printing and Packaging
 Category: Gift Packaging

We entered this gift box because of its special, functional design and unique appearance. Two storage areas have been developed in this neat, stylish form. A drawer section for storing chocolates and a hinged section for a wine bottle. The spot UV varnish and the hot foil stamped elements are in harmony with the underprint and highlight the uniqueness of the product. The frame of the box consists of rigid grey board. The interiors, the wine holder and the chocolate drawer, are made of cardboard. 3 different types of wine bottles can be accommodated in the box thanks to the additional inserts. The satin ribbon to help open the drawer has also been printed. The box is made mainly from FSC Recycled 100% board. Corrugated cardboard was used to stiffen the box.



Nefab WoodFoam Solution - Environmentally friendly solution for replacing polyurethane foam

Company: Nefab Packaging Hungary Kft.
 Category: Packaging Materials and Components

Nefab WoodFoam Solution, which is developed by Nefab Packaging, can be an environmentally friendly substitute for polyurethane foam, which is otherwise harmful to both health and the environment. This is a very promising concept that is currently under development. Together with our partner IBM, we succeeded in replacing all the polyurethane packaging materials used at their site in Hungary with Nefab WoodFoam Solution in order to protect the environment. IBM has officially tested the change, their Power Circuit Boards are placed in a shielding bag between the Nefab WoodFoam solutions, which fully protects them from possible damage. With this step, IBM Hungary has successfully fulfilled the company's environmental protection objectives to replace polyurethane. Our future vision is to replace PU with sustainable solutions in as many projects as possible in order to reduce our own and our partner's CO2 emissions.

Multi-Layer Label-family

Company: CODEX Zrt.
 Category: Labeling and Decoration

We have developed this unique family of 3 MULTI-LABELS for our nutritional supplement customers, typically designed for labelling on plastic cylindrical surface bottles. The development had to meet the following requirements: The use of a metal vapour adhesive base on the visible surface, allowing for an innovative, modern design. Significantly increase the information-carrying surface to provide more information to the customer. The MULTI LABEL range of labels, designed for different uses and page counts, should provide a similar look and feel. Application area: Typical application in industries where the product manufactured is small but the amount of information to be printed or mandated on the label or product is large. Examples of such industries include, but are not limited to: Pharmaceutical industry, Agrochemicals, Food industry, Food supplements, Cosmetics and beauty, Household chemicals





Keskeny Collapsible Drawer Gift Box

Company: Keskeny & Co. Ltd. Printing and Packaging

Category: Luxury

This box was produced for a promotional purpose to demonstrate its unique uses.

For stores selling premium products, it is increasingly important that packaging materials are not only durable and premium-looking, but should be also reusable and not overly space-consuming to store.

This packaging offers a solution for all these purposes.

The box can be folded flat and "disassembled" after setting up and then reassembled again. Its shape and material make it a really eye-catching and stylish solution. The box is made mainly from FSC Recycled 100% grey board.

INDIA

Independence Day Pack- Freedom from Plastics

Company: ITC Limited, Maharani Dall Mill Private Limited

Category: Food

The debilitating impact on air, water, soil and bio-diversity not only threatens the present but also the socio-economic security of future generations as well. Against the backdrop of rising pollution and increasing demand for environment-friendly products, an initiative to make the society greener by releasing an eco-friendly packaging material was done by us. While India celebrated 75 years of Independence in 2022, we are celebrating it by developing a pack which is free from plastics. Dal/ Pulses segment widely in India has a market volume of 26,000 MT and we can understand the amount of plastics which is used as packaging material and gets dumped into the environment. In a breakthrough innovation, for the first time, a dal pack has been packaged using a high-strength paper and biodegradable sealant technology. The product which we had developed is an enviro-friendly plastic free packaging which is made of 100% paper. Packaging which can speak the notion of the company, is the best thing to have for the product/brand. Going green is the need of hour & trending way of packaging. Also, the brown shade along with the roughness of paper provides very natural finish to the packaging and design communication is made in a way of minimalistic resource utilization approach. The replacement of plastics through paper will surely create an impact in the strength and this is been addressed by incorporating the required strength through the raw paper pulp and performance through the coating layer. This paper package is an extra mile to transform all the dal segment packaging in a re pulvable and plastic free format.



Next Generation Coated BOPP Label for High-Speed UV Flexo Printing Machine

Company: TOPPAN SPECIALITY FILMS PVT. LTD.

Category: Packaging Materials and Components

In the printing processes of Pressure sensitive Labels, major converters using UV curable inks to print the desired information/medias. The concept of using ultraviolet light to achieve rapid or instant drying is one which has been developed over many years. Currently, the flexographic and narrow web printing industries have been extolling the many virtues of UV curing. With the advancement in technologies new printing UV flexo machines are running at the speed of 200-250m/min., compare to much faster than the machines produced before 2020-2021. Our earlier product range of CO-PSL ran well upto 100m/min. speed in old UV Flexo machines, but facing issues at higher speed of 150-200m/min. So to address the issues of ink failure at higher speeds, TSFL has developed next generation coated PSL products under the code of CO-HPSL in all the three variants White, Transparent and silver. This product range has excellent performance at 200 m/min. TSFL is presenting "Product innovation" in terms of "Technology for Substrate" in Label industry. TSFL has launched the innovative Polypropylene (BOPP) face films (cavitated white, Silver and transparent) for label industry which are Coated through Offline coating process. It has added excellent printability features for label films. UV printable HPSL grade coated BOPP (one side /both side coated) Specially designed for high speed press performances. This product is running well at 200meter/min. on UV Flexo/ UV letter press Label printing machines. Key Feature: This product exhibits following properties: - Excellent ink adhesion with a broad range of ink systems, including UV curing inks on Print receptive coated glossy surfaces. - High speed press performance on UV Flexo machines---- running well upto 200m/min. - Coating adhesion is maintained in hot and cold water immersion without clouding - Superior performance of print surface in humid - Excellent stiffness and mechanical properties



Transparent Barrier Snack Packs

Company: Huhtamaki India Ltd

Category: Food

The transparent barrier PE based pouch addresses visibility challenges of the highly competitive and cluttered segment of snacks.

The barrier PE solution offers enhanced barrier performance compared with existing transparent barrier alternatives, given equal film thicknesses (offers MVTR and OTR less than 1 in tropical conditions)

Helps transit from 3 ply to 2 ply structures with no machine modifications. Provides transparent and differentiated aesthetics to capture shoppers' attention.



Chivas Regal 18 Years

Company: ITC LIMITED, PERNOD RICARD INDIA

Category: Alcoholic Beverages

The new Chivas18 Limited-Edition Pack is a tribute to multi-layered blend with unique 85 flavor notes. The pack is a celebration of rich craftsmanship and amalgamation of art and flavor, that adds richness to the unique design. This pack is built on the theme of sustainability, with the touch of Flora & Fauna of coastal region. This is the first time a woman has curated a Limited-Edition Pack of a whisky brand in India.

Highlights of the pack are:

1. LID is reproduced through renewable raw-materials replacing the conventional molded plastic.
2. The effect of conventional lustrous silver metallized PET film is replaced through an elite metallic silver print through gravure print process.
3. The pack is made aesthetically appealing on both inner and outer surface through an intricate print & register board to board lamination operation.
4. Engagement for launch & first time Chivas packaging production in India.

This pack is a beautiful mélange of flavors full of mystery and secret notes tucked in each drop of Chivas, adding a rich, opulent and exotic taste, that reveals a new story every time with each sip. The theme "The Pack of Hidden Stories" represents stories hidden inside aromas and treasures buried deep within textures signified through a creative packaging design. The pack launch was unveiled at a soiree hosted at The Charcoal Project in Mumbai. The different color pattern & vibrant shades reproduced through gravure & offset combination print technologies & overprinted using a blend of three different varnishes sculpting the pack to represent the outburst of colors, conveying passion and emotional thoughts. Strength of this multi-component pack comprising of bottom rigid-box & a two-piece eco-friendly rigid paperboard-based lid is reinforced through high grammage board-to-board laminated substrate with more than 1000GSM, which protects the product & enables safe transportation.

CRTESS Caps for Plastic and Aluminum Containers

Company: Mullackal Polymers Pvt Ltd

Category: Packaging Materials and Components

The CRTESS cap is an Innovative Cap developed by Mullackal Polymers. It's a Smart-Cap which solves all the problems associated with the legacy sealing solutions in the market and adds multiple values across the supply chain all the way to the end-user.

The word "CRTESS" stands for Chemical Resistant Tamper Evident Self-Sealing cap.

CRTESS caps replaces the legacy sealing solution in the market such as

- a) use of Inner-Plugs and b) use of induction sealing or PE Foam wads. The heart of the CRTESS cap is the Innovative In-Built Sealing Layer which is detailed below:
 - 3-Dimensional Sealing, The Sealing layer is designed to provide 3-Dimensional Seal , sealing the top neck of the Bottle and the inner neck of the bottle thereby increasing the sealing area by 60%.
 - Chemical Resistant Sealing Layer. The Material used for the sealing layer is Chemically Resistant against a wide range of Solvents , Acids and other industrial chemicals used in the market.
 - Soft and Flexible This Sealing Layer is soft and flexible because of which it can take care of any undulations or unevenness in the top lip or inner neck of the bottle
 - In-Built to the Cap This Sealing Layer is integrally moulded with the cap to create a True Single Component Solution.
 - 100% Recyclable The materials used are selected to ensure that the cap is 100% recyclable under the single polymers waste stream with simple mechanical recycling without any sorting or further treatment.
 - Resealability The cap is designed to provide 100% Leakproof and Odour Proof Lock with every use , even after the 1st use !



Cerviprime Gel – Sterile Packaging System for Woman’s Personal Hygiene

Company: Zydus Lifesciences Limited

Category: Medical and Pharmaceutical

Multi component packaging system is conceptualized to simultaneously fulfill various requirements like product protection, process support, smooth machinability and simplified user experience. Material and its grade selected supports sterilization process expected by product and also maintains quality of product up to 2 years of shelf life. Ergonomic design, shape and angles of packaging components ensures smooth machinability during product filling and complex assembling process. Design, shape, calculated length and meticulous mold validation procedure adopted to produce smooth, flange free final articles ensures pain free usage of product at intended area of human body.

Final packaging system tested extensively to check leakage, transport worthiness, extractability and leachability and found suitable for intended use. It is very difficult to maintain consistent quality and sterility up to 2 years for any packaging system which is just assembled and not tightly/hermetically sealed however this device ensures consistent quality when tested extensively at regular intervals up to 2 years. Pack communicates well with end user hence no any training required for this novel concept introduced in woman health category.

Microwavable POP BOX

Company: 'ITC LIMITED', 'ZEA MAIZE PRIVATE LIMITED'

Category: Food

One of the most innovative packaging developed for consumers to enjoy hot & fresh POPCORN straight from the box. This PULL & POP microwavable packaging solution works as a POP BOX delivering consumer a rich & flavorful experience. The structural design of the POP BOX is innovatively curated, such that the pack works in three steps concept with the consumer starting the 'first step of tearing the two handles of the pack', 'second step of pulling both the handles to completely expand the box' & then the 'third step of putting the box in the microwave oven'. This ultimate innovation pack with the all new microwave POPCORN is available in a non-collapsible POP BOX. These packs have been printed & converted in the state of the art BRGS certified packaging factory, which is also powered by green energy generated from wind mills & solar renewable resources. This consumer-friendly POP BOX has been launched in multiple flavors. The package is given a corn look by means of the shades of brown, blue and yellow depicting the fresh flavors through offset printing technology. The entire POP BOX is given a matt finish, giving the pack a modish elite look. The fine quality print, high end intricate cutting & creasing technology and precise folding & gluing, all these operations put together has evolved into a premium POP box impacting the minds of consumer with an exquisite experience. The raw materials are aptly selected and the structural design of the pack is intricately curated and developed such that the carton box can be placed inside the OTG post expansion of the compressed pack by following the instructions printed on the pack and on application of heat the popcorn POPs up within the non-collapsible POP BOX without any damages.



Ujala Liquid Detergent with Sustainable in-Mould Label

Company: Jyothy Labs

Category: Household

Technology edge: We have integrated IML (In-mould labeling) into the product packaging, making it the first of its kind in liquid detergent across FMCG categories. The IML technology seamlessly fuses the label, eliminating wrinkles and misalignment, and reducing rework. Innovative Design: The bottle's unique, ergonomic design and shape make it easy to handle and add to the premium look.

Enhanced Functionality: The product has a dosage measuring cap of 40 ml capacity. The left-over liquid in the cap drains back into the container with zero spillage on the bottle surface, making it very user-friendly for consumers.

Environmental impact: By adopting the revolutionary IML technology, able to reduce the bottle weight (annualized plastic savings – 3.2MT) In addition, we have eliminated label liner wastage, saved critical resources, and reduced the need for release liner. This approach has also helped us eliminate the need for post-moulding operations like labeling and shrink-sleeving.

NOMINEE GOLD

Company: PI INDUSTRIES LTD

Category: Packaging Materials and Components

PI Industries redesigned the packaging of Agri Input products being sold in Indian Markets Leading brand - Nominee Gold. One of the primary objectives of product packaging is to keep the product safe from tampering, provide easy dispensing and unique look. To achieve this objective, PI has come up with a novel and improved container design. Tamper Evidence: The container has two tamper evident features which provides the end user with readily observable indications to distinguish between when the container has previously been opened for a normal use and when the container has been potentially exposed to any tampering. The product comprises a first frangible strip needs to be torn and pulled out of the cap to rotate and open up as a first tamper evident feature. The pulling out of the strip reveals a second strip having a red colored window - indicating that the cap has been opened. Category strip : Information about dose per acre along with crop pictorial this will help us to Indian Farmer for right dose application for right crop. Colour coding for different types of products like Orange for Insecticide Blue for Fungicide, Yellow for Herbicide and Green for Bio Products. This will give visual identification to Indian Farmer for Category of product. Leak Proofness: The Cap is molded with a Inbuilt Seal Sealing soft chemical resistant material which seals the bottle neck to provide a 100% leakproof and odor proof lock every time. Ease of Dispensing: The container further comprising a pouring cup having inner pouring flaps with spill-proof mechanism which allows the liquid content to pour back inside the bottle rather than dripping outside after pouring out. The pouring cup is snap fitted inside the opening of the bottle. The cap/closure also acts as a measuring cup with calibration included therein





Compostable Super PLA Coated Paper/Board for Food

Company: Safepack Industries Ltd

Category: Food

"The earth, the air, the land and the water are not an inheritance received from our fore fathers but they are on loan from our children. Our responsibility is to at least handover to them as it was handed over to us." - Mahatma Gandhi 1919. Safepack has diligently utilized its packaging research and expertise to develop new generation biodegradable/compostable Paper/ Board to overcome the shortcomings of regular PLA coated board which especially had lower Kit value. Safepack's 100% Compostable Super Calendered PLA Coated Paper/ Board has 28% enhanced Kit value, additionally this product offers optimum convenience that Folded Cartons & E-Commerce packaging demands in terms of lightness, flexibility and durability & carrying products. Thus making it ideal choice specifically for food deliveries, buffets and E-commerce deliveries. The innovation translates into an Excellent Business Strategy improving brand image & loyalty, gaining competitive edge and reducing use of fossil based plastics.

ISRAEL

Yohanan Aravot Ph.D.

Company: CBC group, Israel

Category: Packaging Materials and Component

The developed packaging uses beer manufacturing waste (BSG= Brew's Spent Grain), and completely replaces the duplex carton that is currently used to pack 6 bottles of beer. Not only is the packaging environmentally friendly, it is also circular packaging and after its use, it is suitable for composting and possibly recycling. These are 3-4 properties that absolutely correspond to the reduction of the environmental footprint.

After creating the "cardboard" which consists of about 80% BSG, the rest being natural fibers, it goes through an offset printing process, formal cutting, and then it is put into an automatic packaging machine. For the first time, to the best of our knowledge, waste from beer production (BSG) is used to create industrial packaging that completely replaces existing packaging and has the same, and perhaps even better, properties especially, apparently, the price of the packaging is economically cheaper than the existing packaging. The vision for the use of beer production waste, the development process, the perfect adaptation to the production and packaging processes, the pattern and the industrial process in the factory, the teamwork, and the collaboration between different disciplines deserve this prestigious award.



Mono-PP Tray for Grilled Chicken

Company: MCP, part of MPP Group

Category: Food

In addressing a prevalent issue in hot food packaging, namely condensation-induced humidity, we have innovatively incorporated an anti-fog additive into our polypropylene (PP) packaging. This advance not only proves highly effective but remarkably swift, clearing water droplets within seconds and ensuring a transparent view of the food contents.

In addition, the packaging is manufactured entirely from mono-material - 100% polypropylene. This characteristic simplifies the recycling process, eliminating the need for intricate separation procedures. Moreover, these trays demonstrate exceptional durability, ideal for packaging grilled chicken or other hot food, showcasing resistance to high temperatures. Additionally, they are designed to be microwave-safe, enhancing their versatility and consumer convenience. This innovation in anti-fog, mono-material PP packaging offers a compelling blend of clarity, sustainability, and durability, meeting the demanding requirements of hot food packaging.

ITALY

LA Spumante

Company: SIPA SPA

Category: Alcoholic Beverages , Packaging Materials and Component

La Spumante's innovation lies in being the world's first sparkling wine bottle crafted from 100% PET or rPET, a step towards environmental responsibility. This pioneering approach not only revolutionizes packaging for alcoholic beverages but also non-alcoholic wine and mixed beverages like spritz and cocktails. Functionally: the neck of the bottle mirrors the mechanical properties of traditional glass, allowing it to use standard cork capping methods. Its resemblance to glass packaging, including the bottom, ensures seamless integration into existing filling lines, demonstrating exceptional interchangeability. This bottle design can sustain an inside pressure of 5.5 bars at filling temperature.

La Spumante is a game-changer in safety, with an unbreakable nature ideal for logistics and events. Its remarkable clarity enhances the experience, preserving the taste and effervescence of sparkling wine and other drinks. Its lightweight design conserves resources and reduces transportation emissions compared to glass counterparts and therefore significantly curbs the carbon footprint.



Multipack

Company: VIMAR

Category: Packaging Materials and Component

Vimar's Multipack is a sustainable solution in terms of both material and use: this packaging is made from FSC-certified recycled paper (which guarantees that it comes from responsibly managed forests). The printing inks used are water-based – a safe and environmentally friendly solution that offers excellent colour and durability. While the outside of the package has a rough surface, the inside is smooth and coated to avoid damaging product surfaces, thereby reducing breakage and waste.

FIRST PET BOTTLE FOR SPARKLING WINE IN THE WORLD



LIGHT
WEIGHT



LOWER CARBON
FOOTPRINT



FULLY
RECYCLABLE



EASY TO
FILL



24
MONTHS
OF SHELF-LIFE



WORLDSTAR 2024

*Alcoholic Beverages
Packaging Materials
and Components*

A patented improved alternative
to the traditional glass bottle.

Improve your sustainability
footprint by switching to PET.

SIPA

INDORAMA
VENTURES

Morinaga Hagukumi Liquid Infant Formula Eco-Raku Pouch

Company: FUJIMORI KOGYO CO.,LTD. (ZACROSMORINAGA MILK INDUSTRY CO., LTD.

Category: Food

Liquid infant formula is permitted for manufacture and sale in Japan starting in 2018, whereas only powdered infant formula was previously allowed. Traditional cans and paper cartons are difficult to carry, and their inflexibility in dimensions often lead to leftovers. We developed a new pouch packaging for liquid infant formula based on the "making childcare easier" concept.

This product has the following advantages:

The pouch can be cut open by hand and poured directly into a bottle instead of dissolving a powdered formula.

The slim shape makes it easy to carry while reducing waste.

The pouch reduces about 42% of CO2 emissions compared to cans.

The aluminum foil has high light shielding and barrier properties, and the sealant is Cast Polypropylene (CPP) that can be retort sterilized.

Its long shelf life makes it suitable for an emergency stock in Japan, where many natural disasters occur.



Whisky "RIKU" in New Pouch for High Concentration Alcohol

Company: Kirin Holdings Company, Limited 'Kirin Brewery Company, Limited' 'Kyodo Printing Co.,Ltd.'

Category: Alcoholic Beverages

It is primarily used for packaging whiskey and is convenient for transportation and carrying. Even with high concentration alcohol inside, the welded parts of the film will not peel off.

The "new pouch for high concentration alcohol" is made of lightweight and durable polyethylene film, reducing transportation costs for beverage packaging.

Compared to glass bottles, the production and transportation of the container result in approximately 1/100th of the CO2 emissions.

Furthermore, a portion of the film is made from biomass-derived materials, and biomass ink is used on the external surface.

Staple-less Safety! Packaging Material for Automobile Doors

Company: TOYOTA MOTOR KYUSHU, INC. , CHUOH PACK INDUSTRY CO.,LTD.

Category: Transit, Packaging Materials and Component

"In conventional packaging materials for automobile doors, two pieces were stapled in four places at the time of packaging.

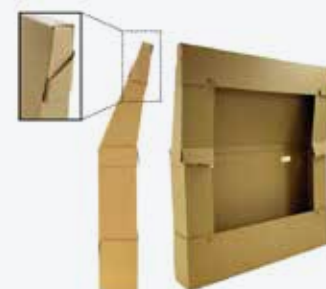
Therefore, we developed a staple-less specification to enhance safety and eliminate the noise generated when stapling.

Instead of the conventional stapling (total 8 places/unit), which is dangerous, it has an insertion lock structure that provides excellent product protection.

Instead of the usual rectangular box shape, it is a dogleg shape to match the product shape, the number of items that can be stored in the device has increased, improving transportation efficiency.

Improvements include safety, noise reduction, a 5% reduction in packing time, and a 33% improvement in transportation efficiency.

A sustainable all-corrugated packaging material that is both people and environmentally friendly."



Corrugated Bandless Container with Significantly Increased Loading Weight

Company: TOYOTA MOTOR CORPORATION DAIEI Co.,Ltd. NabiAce Co.,Ltd.

Category: Transit

We have developed a large packaging container made of cardboard that can be fixed with only tape, without using PP bands.

The size of the box is 1190 x 1144 x 750 mm, and it can be stacked in three layers with a content of 600 kg.

There are only three components: pallet, sleeve, and lid.

The pallet and sleeve can be integrated by raising the fixing flap on the top of the pallet and attaching it to the top of the sleeve with tape.

The shape of the corners of the lid is designed to make it easier to apply tape, and by placing the tape over the sleeve and straddling the corners, the lid and sleeve are integrated.

This innovation eliminates the need to tighten the band around the box, reducing the workload and improving work efficiency.

Previously, containers were made of iron, but by using cardboard boxes, the total weight of the containers was reduced by 44%. As the weight of the container has been reduced, the amount of content that can be loaded into the container has also increased, improving transport efficiency.

Additionally, by using cardboard as the material and reducing weight, CO2 emissions have been reduced by 72% in total. Although tape is used, the amount of plastic used is also reduced by not using bands. Cardboard packaging containers require less time to manufacture than steel containers, making them easier to respond to emergencies such as the recent logistics disruptions.



PureOra36500 CREAMY TOOTHPASTE

Company: Kao Corporation

Category: Health and Personal Care

We have developed a new container for toothpaste that combines a button type pump and a pouch. Just press the pump with your fingertips and you can use it up with light force until the end. After use, the pouch can be replaced with a new one for repeated use, contributing to sustainability. To provide a container which feels surprised and fun in an unprecedented way and can be used with a positive feeling. We have developed a pump that can discharge the agent without moving the nozzle so that it can be easily discharged at the aimed position. The pump has an airless structure, the contents can be used up almost to the end only by the action of pushing the pump. By combining the holders, it is easy to grasp, stands up to the end, and can be used even if it is left in the bathroom.



Poiq Packaging

Company: Sony Group Corporation Sony Global Manufacturing & Operations Corporation
Phoenix Engineering Corporation
Category: Electronics

To realize a symbiotic society between humans and robots, we designed this packaging specifically for 'poiq,' a new entertainment robot that learns and evolves by understanding its users primarily through dialogue. The packaging design encompasses every essential aspect throughout the robot's lifespan, including environmental consciousness, transport, display, and use. We challenged ourselves to express multiple material variations by adopting a single-material PET* approach aimed at minimizing environmental footprint. The five resulting textural expressions include: Transparent dome cover, Felt molding, Soft fabric, Logo sticker, and Holder. Post-consumer recycled material ratio within the PET composition is 25%*. (*excluding parts in contact with the robot's head.) Designed for continued use post-unboxing, the tray's shape and soft material enable functionality as the robot's charging cradle.



Easy to Fold! Flexible Pad for Automobile Motor Components

Company: DENSO CORPORATION Motor Manufacturing Division , CHUOH PACK INDUSTRY CO.,LTD.

Category: Electronics

"In response to the rising cost of materials due to recent price hikes, we have developed an all-corrugated, easy-to-pack packaging material for products with large shipment volumes.

Dividers are formed from a single cardboard sheet and can be easily assembled and folded.

By placing ruled lines at equal intervals on the sides of the divider, the flexible structure allows packing of products of different shapes.

This flexible structure makes it possible to pack seven different products with two different packaging materials. As a result of the improvement, packaging time was reduced by 18%, packaging material weight was reduced by 12%, and material costs were reduced by 20%.

It is a sustainable and environmentally friendly packaging material devised based on a completely new concept that has never been seen before."



Deplasticization! Fixing Pad "ECowrap" Using Stretchable Paper

Company: TOMOKU CO.,LTD.

Category: Electronics

Traditionally, packaging boxes used for transporting leased computers of various shapes and sizes have utilized securing materials combining flexible plastic film and cardboard pads. These traditional pads had the advantage of product visibility, but they did not align with the trend of the Sustainable Development Goals (SDGs) focusing on the reduction of plastic usage. To address this, we innovatively replaced them with unbleached craft paper. This craft paper, characterized by its creases, is a type of crepe paper that can stretch up to 1.5 times its original size, and morphs to fit the shape of the product. Through this transition from 'plastic film' to 'paper', we have successfully developed environmentally friendly securing pads that maintain the same functionality. For the recognition of this innovative and sustainable strategy, we have been awarded a prize, emphasizing our commitment to evolving technology and prioritizing sustainability.



Expandable Corrugated Sheet for Standard Pallet

Company: Rengo Co., Ltd.

Category: Transit

We developed an innovative adjustable corrugated component that can expand in various sizes to match the dimensions of cargo products loaded on pallets. It protects overhanging stocked products on pallets from deformation. By attaching these expansion parts to a standard 1,200mm x 1,000mm plastic pallet—a prevalent specification in the Asian market—the pallet size can be expanded as needed. Preventing cargo deformation leads to improvement of storage conditions and transportation efficiency. Attaching and removing, both processes are very simple and this innovative component also enhances pallet recycling and reusability.

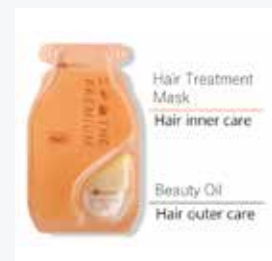


Easy Mixing of Hair Care Mask and Oil in One Package JOY CLEAR "CHIKAMI THE PREMIUM OIL IN HAIR TREATMENT MASK"

Company: KANAE CO., LTD., Kracie, Ltd.

Category: Health and Personal Care

This innovative pouch realizes a new self-applied hair treatment, ensuring simplicity and flawlessness. Hair bleaching and coloring are now mainstream, resulting in highly damaged hair. This has led to an increased demand for hair care, not only in salons but also at home. Caring for extensively damaged hair at home can prove challenging, with intricate application and inconsistent results. A professional technique of blending hair treatment with oil is now attainable in a single pouch. Filled separately in pockets, the hair mask and oil's effects can be mixed within the package right before use, maximizing results. The three-dimensional, button-like pocket design seamlessly mixes the contents through finger-pressing to break the boundary seal. This package design enables precise dosage control, effectively enhancing hair quality as anticipated, thus broadening the prospects of domestic hair care.





Japan
Packaging
Institute



Japan Packaging Institute (JPI)

Japan Packaging Institute (JPI) was established in March 1963, and was upgraded to a legal entity in June by the Minister of International Trade and Industry. With the doctrine of "Challenging the future of packaging by means of originality and ingenuity", the juridical foundation, Japan Packaging Institute, has been promoting the rationalization of production and distribution as well as consumption through improvement and elevation of the packaging technique and thereby contributing to the progress of Japan's economy.

- Headquarter : Tokyo
- Branches : Sapporo, Sendai, Nagoya, Osaka, Fukuoka
- Number of Members : 1,200 companies
(Packaging Industry:700, Users:400, Logistics Industry:100)



Business Outline

- Developing packaging specialists at the basic, intermediate and upper levels and in each specialty field by organizing seminars, study sessions and observation visits.
- Issuing newsletters, journals and packaging-related publications
- Performing secretariat duties for the ISO in the management of ISO/TC/122 (Packaging) to develop ISO standards
- Exchanging information and working together with packaging-related organizations in and outside of Japan
- Conducting surveys and R&D related to packaging, consultation and guidance concerning packaging
- Holding biennial packaging exhibitions TOKYO PACK since 1966 :
TOKYO PACK is one of the Asia's major international packaging exhibitions, primarily featuring packaging materials, containers and machinery and covering all the phases from procurement, production, distribution, sales, consumption and disposal to recycling.



GOOD PACKAGING

JAPAN PACKAGING CONTEST

The Japan Packaging Contest is held every year with the aim of promoting development and spread of high-quality packages as the nation's greatest and most influential contest in the field. The categories are: Technical Packaging, Appropriate Packaging, Packaging Idea, Packaging Design, Accessible design, Logistics, Food, Confectionary, Beverage, Cosmetics, Gift, POP, Pharmaceutical and Medical Packaging, Toiletry Packaging, Daily Necessities and General Merchandise Packaging, Transport, Electric Equipment Packaging, Industrial Packaging and Large-sized Equipment Packaging.

All packages winning awards in the JAPAN PACKAGING CONTEST 2024 will be displayed at TOKYO PACK 2024.

 JAPAN PACKAGING INSTITUTE

Togeki Bldg. 10F, 4-1-1 Tsukiji, Chuo-ku, Tokyo, Japan
Tel: +81-3-3543-1189 E-mail: tokyopack@jpi.or.jp
<https://www.jpi.or.jp/>

 TOKYO PACK SECRETARIAT

c/o Japan Packaging Institute
Togeki Bldg. 10F, 4-1-1 Tsukiji, Chuo-ku, Tokyo, Japan
Tel: +81-3-3543-1189 E-mail: tokyopack@jpi.or.jp
<https://www.tokyo-pack.jp/en/>

Clé de Peau BEAUTÉ Lune Joaillier

Company: SHISEIDO CO., LTD

Category: Health and Personal Care

This special collection, created in collaboration with jeweler Elie Top of Paris, consists of four refills, a lip holder, and a moon mirror for the 40th anniversary of Clé de Peau BEAUTÉ. We developed not only top luxurious appearance of containers inspired by the moon light, but in a refillable fashion which enables customers to choose Lip colors that reflects and matches their daily mood or style. We made the special holder, with delicate decorations created by electroforming, refillable for a more sustainable product. The cap of Lipstick fascinates customers every time they open and close, just like a traditional Japanese tea canister that makes you want to open and close it over and over. PIR (Post-Industrial Recycled) resin is used for the temporary stopper, contributing to a reduction in the use of virgin plastic. This special collection is the one and only that realizes Sustainability, Top Luxury.



Packing Trays for Large Commercial Air Conditioner Indoor Units Assemblable by Automatic Machine

Company: DAIKIN INDUSTRIES, LTD. , Oji Container Co.,Ltd. ,Oji Holdings Corporation

Category: Electronics



Corrugated cardboard packing trays for commercial ceiling cassette air conditioners used to be assembled manually from the top and bottom of the product due to their intricate design. To address this, we have developed trays that can be assembled automatically, along with a corresponding machine—a first-of-its-kind in the packaging industry in Japan. These trays are among the largest in size. The machine accomplishes both automated assembly and packing processes, including tray picking, automated assembly for creating holding trays, and direct integration with the existing automatic packaging line. As a result, we have reduced assembly labor by 40% and reduced assembly time by 33%.

Film to Film Closed-Loop Recycling Pouch Container

Company: Kao Corporation, Lion Corporation

Category: Household

Multi-Material-layer pouch container like refill packs made with 70% less plastic compared to bottles, making them effective in waste reduction. However, almost all pouch packs are disposed of without being recycled after use. Since pouches contain different materials in their structures, it has been very difficult to recycle them. Therefore, to promote a circular economy for plastic packaging, a pouch-to-pouch recycling technology was developed, which collects used pouches and regenerates them into new ones.

Through this development activity, Fine dispersion technology for dissimilar resins in polyethylene film and high-purity resin technology were developed, resulting in "the world's first pouch-to-pouch recycling". This achievement made it possible for the first time to recycle multi-layer pouches, which were previously considered difficult to recycle.

The recycled pouch containers contain used pouches collected from consumers as recycled resin. When the establishment of the social system for collecting used pouches, there was a collaborative effort across companies, including the partnership between Kao corporation and Lion corporation, leading household product manufacturers in Japan. Therefore, the development of these recycled pouch containers not only produced technological value, but also created social value through inter-company collaboration.



Paper Packaging with Improved Repetitive Cushioning Performance

Company: KYOCERA Document Solutions Inc.

Category: Electronics

In order to replace the plastic foam cushioning materials with the paper cushioning materials for packaging of our newly developed printer, we worked to improve the repetitive cushioning performance (cushioning performance against multiple impacts), which was a weakness of the paper cushioning materials. Unlike plastic foam cushioning materials, paper cushioning materials do not have resilience, and therefore their cushioning performance are decreased by multiple impacts. Therefore, by adopting a support shape inside the corrugated cardboard cushioning materials and a shape that is difficult to fall down and break for the pulp molds, the repetitive cushioning performance was improved. As a result, the impact value was reduced by up to 61% in the test of dropping five times consecutively on four sides for repetitive cushioning performance evaluation, and we realized adoption of the packaging using the paper cushioning materials.

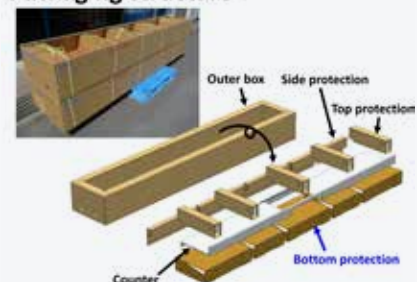
Packaging Artificial Marble Counters with Shock Absorption Function

Company: TOTO LTD.

Category: Packaging Materials and Components

In general, packaging brittle or heavy products use many packaging materials, large buffer distances, and special buffer materials to protect them from impacts. As an example, counter used in public toilets may exceed 3000mm. But if the packaging design is inappropriate, impacts are easily transmitted to the products and destroy the products. That's why the packaging design is very important. However, the structure of the submitted packaging can add a shock absorption function to the package simply by making a notch to the side of cardboard on which the product is placed. In other words, the impact resistance can be improved 30% without increasing packaging materials. As a result, this packaging makes it possible to protect brittle, heavy, or long items such as counter from impacts. Furthermore, this has a structure that combines multiple blocks, so it can be used not only for short products but also for long products.

Packaging structure



Easy Installation Packaging

Company: TOTO LTD.
Category: Transit

The packaging for a wall-mounted toilet presented several challenges: it could not stand independently due to its heavy weight, it was difficult to hold during installation work because of its shape, and it could not support its own heavy weight. As a result of improving the bottom components of the packaging, the content is able to stand stably thanks to an enhanced mechanism that prevents sideways tipping and distribute weight more effectively to prevent it from falling out. Additionally, the packaging facilitates the installation work because the height of the fixing hole in the product matches the height of the fixing bolt on the wall, enabling easy positioning and fixing. Moreover, the supporting areas, which bear compressive loads during storage, are designed with multiple corners to enhance their strength.
These packaging materials, which have a variety of functions, are made only of cardboard, making them easy to dispose of and Global Environment friendly.



“Fingers Comfort” Handle Slots

Company: DYNAPAC CO.,LTD.
Category: Other



Corrugated board boxes of various product categories have handle slots to improve safe handling. However, the existing design of handle slots often causes discomfort or even pain to fingers while handling.
To address this issue, we designed a new handle slot that expand the contact area to fingers, which reduce pressure and alleviate pain.
The effect: A test using pressure measurement film shows the pressure on fingers by this handle slot is more dispersed and lower compared to common handle slots.
Easy to use: To expand the contact area, handle slot flaps need a solid face to touch fingers and support the box weight. Two parallel scores are necessary to make a face, but single hand can hardly fold the two scores. We decided to put two sets of parallel scores misaligned. This makes the scores fold cooperatively and users can easily make a triangular structure with one hand.
(detail) The space required inside the box for this handle slot is almost the same as for common handle slots. This makes this handle slot a useful alternative to common handle slots.

New ILOHAS Mineral Water PET Bottle

Company: Coca-Cola(Japan)Company, Limited
Category: Non-Alcoholic Beverages

Aseptic PET bottle requires some rounded ribs and panels against negative pressure coming from temperature change and moisture permeation. This bottle structure without labeling area is patented polyhedral spiral to absorb negative pressure. This structure can provide unique design shape and smooth water flow to let consumer drink water tasty. After consuming, this bottle is easy to fold flatly which is recommended way to recycle by the council for PET Bottle Recycling and local government in Japan. This bottle is for major mineral water brand in Japan. Bottle design concept is “Comfortable” from before drinking to throwing away. “Label-free bottle look” inspire the image of water stream of Japanese river. Feel tasty because water flow smoothly into the mouth by unique structure design. “Easy to fold flatly” is good manner to recycle properly and efficiently. 1) Aseptic PET bottle is for Non-gas beverage. After filling, bottle inner pressure is becoming negative pressure. The reason are 1) temperature change: Filling temperature; almost 30°C → Selling / consuming temperature less than 10°C 2) Moisture permeation through bottle Thus, normally Aseptic PET bottle requires some rounded ribs and panels against negative pressure. But this patented spiral shape can keep the original shape against negative pressure with flexible bottle surface constructed polyhedron cross-section. Edge line of polygon corner act as the pillar and face of polygon act flexible surface to absorb negative pressure. In terms of artificial designing, the change of polygon along the spiral, beautiful edge lines are formed. 2) Rounded ribs disturb the flow of air into the bottle according to our test. This bottle does not have rounded ribs and with gentle shoulder, water flows smoothly into the mouth. Thus consumer feels smooth water flow and tasty.



Paper-based plastic-less packaging for A3 color multifunction printer

Company: RICOH COMPANY,LTD.
Category: Electronics

This is a paper-based plastic-less packaging for A3 color multifunction printer.

The weight ratio of paper materials is 96%.

More than 80% of packaging parts are recycled material, and 99% are recyclable after use.

As a result, compared to conventional products, the amount of plastic has been reduced by 54%, plastic waste by 1,033 tons, and greenhouse gas(GHG) emissions by 6,347 tons-CO2eq.

The new developed cushion parts are made of pulp mold. Outerbox and pallet parts are made of corrugated cardboard. Other bag, joint, sub cushion parts are made of plastic material. <Packaging and target product size> Package total dimension:Width.724', Package total dimension:Depth.765mm Depth.795mm Height: 1,191mm Packaged target product's dimension:Width.587mm Depth.685mm Height: 963mm Packaged freight gross weight:123kg <Our environmental management scope> To actualize our environmental management policy of creating a decarbonized society (reducing GHG) and circular economy (reducing the use of fossil-derived resources, addressing marine plastic litter issues), we have replaced the packaging material mainly composed of EPS with pulp mold which is recyclable and GHG low-emission.

SHISEIDO EUDERMINE Activating Essence

Company: SHISEIDO CO., LTD
Category: Health and Personal Care

This is the world's first product made using LiquiForm, a technology that combines the bottle forming and filling processes for cosmetics into one step. This new technology significantly reduces the weight of refill containers, and compared to our standard conventional refill containers, contributes to a reduction in not only the amount of plastic used but also cuts the amount of CO₂ emissions during the packaging life cycle (excluding the contents) by 70%. Conventional refill containers contain more plastic, while pouch containers are made with less plastic but do not provide enough of a luxury, anticipatory feeling (hereafter referred to as “premium”). Therefore, there was a need to develop sustainable, premium packaging. In addition, by realizing a high quality design for the main container and a simple desorption mechanism during replacement, we were able to produce an unprecedented new container that is both of premium quality and environmentally conscious.
In the cosmetics industry, refills are one of the most effective methods to reduce plastic usage and environmental impact. Conventional refill containers come in two main types: pouches and refillable containers. However, there has been a lack of refill bottles that combine environmental considerations with design aesthetics. We obtained third-party certification(Sustainable Management Promotion Organization ; compliant with ISO standard) for calculating environmental impact.. The refill bottle made with new technology is surprisingly lightweight, weighing only 9.2 grams. By fusing with an outer container equipped with a unique refillable method, it creates a luxurious package suitable for prestige cosmetics. Change refills in 3 simple steps Step 1: Remove ring part Step 2: Set refill Step 3: Minimal waste (refill bottles thin enough to be easily crushed)



Made From Used Copy Paper! High Performance Cushioning Material

Company: SEIKO EPSON CORPORATION

Category: Electronics

We have developed high performance cushioning material made from used copy paper. Its shock absorption performance is equivalent to expanded polystyrene.

Furthermore, this material is recyclable. This material is made using our proprietary 'Dry Fiber Technology', which is a technology that fiberizes and molds the product using almost no water.

For practical use, the cushioning part is made of this cushioning material, and the holder part to fix it is made of collapsible corrugated cardboard that can be easily disassembled.

No adhesive is used for assembly.

Therefore, the whole is recyclable.

This material achieved sustainable production and consumption through resource recycling.

We were recognized for our technology and environmental activities.



Snack Packaging Film Composed of More Than 50% Paper

Company: Calbee, Inc., TOSOH CORPORATION, SANWA KOGYO Co., Ltd.

Category: Food

By using paper and our proprietary polyethylene, we have developed a new eco-friendly packaging film for snack foods that uses approximately 50% less plastic than current plastics.

Maintains high oxygen and water vapor barrier properties to maintain the quality and oil resistance of snack foods. It can also be used on high-speed vertical pillow wrapping machines, just as it is today.

The unique polyethylene allows for a 60% thinner sealant layer than traditional ones.

Flexo printing with bio- and water-based inks is also used to reduce CO2 emissions.

We believe this move will have a ripple effect and encourage other companies to adopt more environmentally friendly packaging.

Drug Package Insert Integrated Paper Container of Liquid Bandage

Company: Kobayashi Pharmaceutical Co., Ltd.

Category: Medical and Pharmaceutical

To address the issue of product misuse without reading a package insert, we have provided explanations on the inner surface of the package. The packaging is designed to be opened from the bottom of the case, making the usage instructions easily visible to users. Additionally, the removal of the insert has resulted in cost savings and reduced CO2 emissions. This package design with a header is commonly used in over-the-counter medical products, making it applicable to a variety of pharmaceutical products as well.

Not in particular.



Development of corrugated cardboard partition trays with reduced environmental impact



Development of Corrugated Cardboard Partition Trays With Reduced Environmental Impact

Company: SANRITSU CORPORATION

Category: Transit

As part of our effort to reduce the size of endoscope packages, we are committed to lowering transportation costs and adopting eco-friendly materials. To pass the transport environmental test, the cushioning for storing the product has been miniaturized without changing the materials of EPP. The tray has been changed to recyclable corrugated cardboard to enhance eco-friendliness. This manually assembled packaging eliminates the need for tape for easy assembly, achieving a 20.7% reduction in volume and cost savings in transportation.

Pizza Hut Trick Box / Hut Stadium Box

Company: RENGO co.,ltd.

Category: Food

It is a pizza set box offered during the 2022 FIFA World Cup and the 2023 World Baseball Classic periods. Taken in the context of the times, a long-awaited sporting event held after the coronavirus pandemic, the set box was designed to provide an opportunity for people to gather together to watch the game and share a good time over pizza.

The pizza set box, containing three pizzas, is designed to instantly evoke the excitement of sporting events upon delivery. In addition, it can be transformed into a miniature stadium after its intended use. Beyond its role as a packaging and transport container, it evolved as a delightful tool that provides an engaging experience for gathering with friends and companions at sporting events.



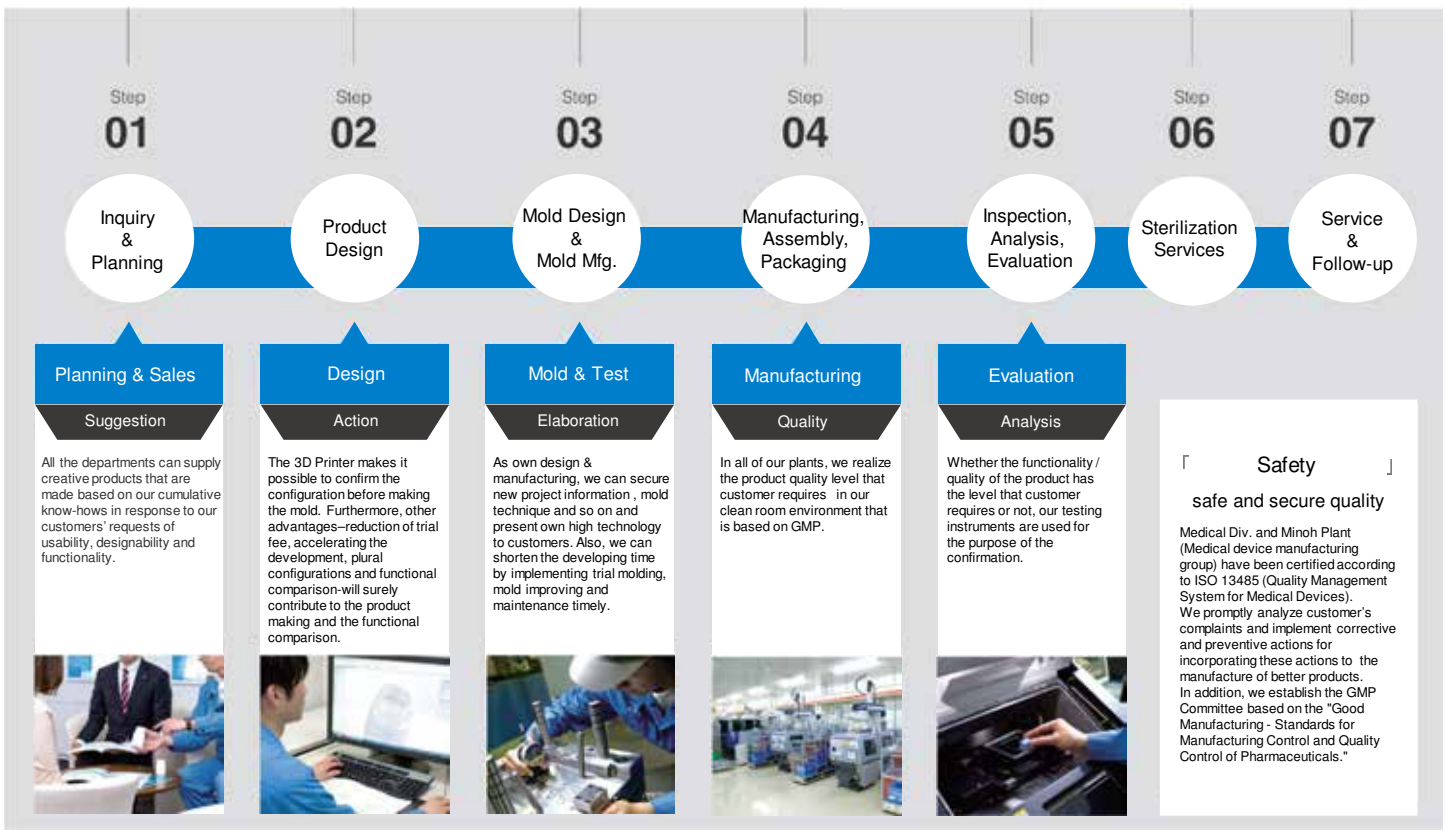
FUTURE CREATION



Technologies Touching Heart
 Paying Attention to Details,
 We develop the Future of Packaging.



Overturn “be inconvenient/inexpedient” to “be convenient/expedient”.
 In order to meet the needs of our customers, we are particular about details with speed and preciseness, and we will maximize the potential of containers.
 We will continue to contribute to the world and lifestyles that can be seen beyond our **products**, and continue to create new standards with abundant creativity.



TAISEI KAKO CO.,LTD.

2-11-6 Fujinosato, Ibaraki-City, Osaka 567-0054, Japan
 E-mail: info@taisei-g.co.jp Phone: +81-72-640-2500
<https://www.taisei-g.co.jp/english/>



ClearX®-High Performance Syringe System-

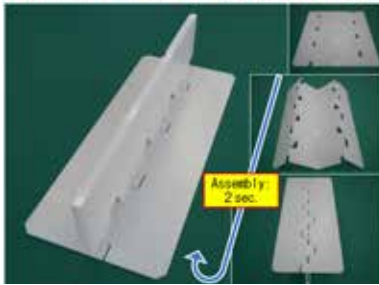
Company: TAISEI KAKO CO.,LTD.

Category: Medical and Pharmaceutical

The recent increase of interest in prefilled syringe is enhanced by its many advantages, such as quick preparation, low risk of biological contamination and easiness to use. On the other hand, biopharmaceuticals have actively been developed and approved because of their higher therapeutic effect against few side effect. However, biopharmaceuticals have a risk of protein aggregation induced by silicone oil, which is used to ensure smooth gliding behavior of the plunger inside the barrel. Our ClearX® for prefilled syringe can realize silicon free dosage, and can reduce this risk. Biopharmaceuticals also have a risk of adsorption. This adsorption could reduce pharmacological active ingredients. However, it can be minimized by choosing the syringe and piston made of low adsorptive materials, like our ClearX®. Furthermore, ClearX® is ideal for tube stoppering in terms of vacuuming air in the syringe when filling drug.



Main viewing field of "T-shaped cross-lock"



Inverted Pad with One-Touch Setup, Development of New "T-shaped Cross-lock" Technology

Company: Toyota Corrugated Packaging Industry Co.

Category: Other

In the automobile industry, corrugated plastic partitions are commonly used in logistics containers. We also employed these partitions with bottom pads known as inverted pads, to prevent contact between products during inter-factory transportation in returnable containers. However, their complex structure required additional time and labor in production. This is because conventional inverted pads were constructed by cutting two pieces of material, bending them at right angles with a heat bending machine, and joining them with a welding machine in order to erect an upright wall in the center of the bottom pad. As a solution, we have introduced the "T-shaped cross-lock" technology, which can be assembled with a single touch in just 2 seconds. As a result, the manufacturing process only requires press punching. This innovation has resulted in a remarkable 75% reduction in production time and approximately 40% cost savings.

Pyramid Sweet Box

Company: National paper bags a

Category: Packaging Materials and Components

A snug-fitting lid prevents spills made of high-quality, moisture-resistant materials. We have provided an adequate labeling to make it easy and legible for the consumers to get the needed information. The pack is also lightweight, compact, and easy to open and close and is made of recyclable cardboard and designed to be reused. The design of the pack is unique and eye-catching designs that have never been done before. The pyramid shape is both distinctive and functional, reduces the use of cardboard, and provides excellent protection for the products. The pack is made of high-quality materials and printed with high-quality graphics. The idea is already applied in Jordan.



BOOK PACKAGING WITH CARDBOARD TOY

Company: STORA ENSO PACKAGING

Category: Toys

Packaging solution has been developed for children book "Day of Miracles" for customer "Latvijas Pasts" (Post of Latvia). The main character of beautifully illustrated book is mail pigeon, also featured in the packaging print design and given a special role in the packaging's second life. The packaging serves as both transport and commercial packaging and has also a second life - from a folder the post pigeon can be cut and folded following punch lines and used as a cardboard toy or hanged as a decor. The book in package is like a made-up gift, can also be sent by post. This primary packaging replaces the film envelope for the book and is made from suitably fitted thin, lightweight, durable E-profile brown corrugated cardboard with 3-color flexographic printing. It contains recycled paper. When packaging becomes waste, it can be recycled as it is 100 % recyclable material, thus ensuring sustainability.



Malak Beer

Company: The Three Brothers

Category: Alcoholic Beverages

The Packing of the Malak Beer reflect the new age life style to be introduced to the market. Malak Beer's award-winning packaging design is a testament to creativity and personalization. It brings the Malak family's story to life and resonates with a young, hip audience.





Providing Innovative Sustainable Packaging Solutions

LibanPack has been a center of excellence in packaging services for the past 15 years. Its active role has garnered both international and regional visibility, allowing it to organize WorldStar, the most prestigious global packaging competition on behalf of the World Packaging Organization (WPO). LibanPack provides cutting-edge services to optimize packaging design and sustainable packaging solutions. Additionally, LibanPack has extensive experience in organizing events and conferences.

Scan for more info
www.libanpack.org



FOLLOW US

   @LibanPack

LibanPack is
the organiser of
WorldStar
on behalf of WPO



Fruit box

Company: Gemayel Freres S.A.L
 Category: Fresh Fruits and Vegetables

Plastic in small fruit packs is extremely polluting and used in big quantities while containing only a small amount of product. This entry is designed to replace plastics from this application. It offers full protection and practicality, sustainably, as the pack is 100% recyclable and made of 85% recycled fibers. In this case, the attractive printing and personalized shapes compared to the other advantages this pack offers are just a plus!



Egg Box

Company: Gemayel Freres S.A.L
 Category: Packaging Materials and Components

This entry allows to pack a very common product, eggs, in a much more sustainable way, while actually enhancing the consumer experience. Usually plastic boxes are used to group, carry and store eggs. Then, the retailer has to put the plastic box in a bag for the consumer to transport it. A lot of plastic is therefore needed for this operation. The entry allows the complete removal of plastic from this application and replaces it with an easy-to-use attractive carton pack, that provides the convenience and protection, enhanced by attractive printing and shape.

The pack is delivered in one easy-to assemble piece and requires no partitions and subsequent mounting.

The pack is therefore a major improvement as it replaces a polluting solution with one that is sustainable, while at the same time improving the graphic appearance of the package and preserving the protection and convenience features.

My Matka

Company: My Matka
 Category: Non-Alcoholic Beverages

My mayka is a water storage cooler made from high-quality clay to induce a number of natural benefits. Our clay bottles are made with high quality clay, without the use of ANY Chemicals, Oxides, Glazes, and Toxins.

- Packaging embodies sustainability, eco-friendly, luxury, and aesthetic appeal.
- Bottles protection are crafted from natural, biodegradable materials.
- Bottles possess a timeless elegance.
- Cedar embossing on the box sleeve which reflects Lebanese cedar.
- Black bag exudes luxury.
- Packaging choice marries sustainability with opulence.



Shoe box

Company: Gemayel Freres S.A.L
 Category: Point of Sale

Packaging as a tool to increase sales of selected products:

This pack allows producers of shoe care products to prepare a bundle of the items they sell in an attractive single pack. The versatility of the pack allows the consumer to use it at home as a practical shoe closet to store their shoes in a practical and orderly way, while preserving them from the corroding elements. The producers can select this way the items needed to sell and include them in the package.

Alsaboun Nabulsi (Nabulsi Soap)

Company: Alsaboun Nabulsi
 Category: Health and Personal Care

Alsaboun Nabulsi Soap epitomizes a national treasure when exported, and its brand-new cover design takes the distinctive shape of an olive tree. This design is not only unique but innovative down to the smallest detail, capturing the attention of discerning customers. Designed to fit perfectly in the palm of your hand, this soap serves as a nostalgic reminder for expatriates of their Palestinian homeland, evoking the scents and memories of their cherished land. Beyond its emotional resonance, the soap stands out for its exceptional quality, product precision, and the captivating simplicity of its design. What sets it apart is its departure from the ordinary. Alsaboun Nabulsi Soap is available as a complete package, featuring six soap beads, each infused with a unique scent and ingredient. It can also be purchased as a single piece and arranged in various configurations, forming a quad, quintuple, or hexagonal flower, reminiscent of the beautiful olive tree blossom. This soap isn't just a cleansing product; it's a piece of cultural identity and a sensory journey, encapsulated in a design that is as innovative as it is symbolic. It differs from normal forms and can be offered as a full PCG of six soap beads each with a different scent and ingredient and can be purchased as a single piece and assembled as a quad, quintuple or hexagonal flower such as an olive tree flower.





ARAB STARPACK PRO PACKAGING AWARDS



Apply Now



The First Arab Professional
Packaging Competition



DEADLINE 15 AUG 2024



Exclusive Entry
Point to **WorldStar**
Global Packaging
Awards

Scan for more info
www.arabstarpack.org



Safety Lock for E-commerce

Company: Stora Enso Poland
 Category: E-Commerce

The packaging is a response to market demand from e-commerce. When delivering packages to an online company, they found that their flagship design was easy to open. So much so that a person wishing to misappropriate the contents of the package had no problem doing so. The customer required a good security feature that would not increase production costs or additional work by employees. A lock was created, forming a kind of banderole in the package. Thanks to its design and the shape of the hook, once the package is closed and sealed, it cannot be opened without damaging the box. Thanks to the information signs, the customer knows that when receiving the shipment he should pay attention to the band-aid - whether the package is intact. With this kind of protection, there is no need for stronger 5-layer waves. The packaging successfully supports the e-commerce market
 Packaging covered by patent application no.3007



Salzburg Schokolade – Holiday Kugel

Company: Graphic Packaging International
 Category: Food

Our paperboard carton for Salzburg Schokolade’s Holiday Kugel confectionery protects the sweet delights while conveying a premium brand image and ‘gift-worthiness’.

The round two-piece telescoping base and lid are styled similarly to traditional metal tins, and feature bold graphics enhanced with matte varnish and gold foil stamping to reinforce the brand’s premium positioning on the retail shelf. The unusual round shape also promotes uniqueness and creates differentiation in a very competitive retail space.

The cartons are produced from paperboard made from renewable plant-based fiber and are recyclable in household waste streams, furthering the company’s ‘Stop global warming, start global charming’ slogan and reflecting its core values of ‘doing well by doing good’.

The cartons are so attractive that consumers may wish to reuse the packaging instead of recycling it. The two-piece round telescoping base and lid carton provide high levels of compressive strength through its shape and double side walls.



Paprocky Barrel

Company: ADAMS Sp. z o.o.
 Category: Point of Sale

Paprocky Barrel designers combined not only the history of the creation of this drink, but also referred with its shape to the place where it was born. It was born in Poland, in the Bartex family company located at PAPROC 111 (PAPROC in English means fern). This is where the name PAPROCKY comes from. All these features were linked to create a unique exhibition space in shape of a solid, raw barrel with beautiful decorations such as fern leaves. According to Slavic mythical beliefs, fern leaves bloom once a year, and finding them is supposed to bring wealth and abundance. Despite creating such an interesting form, the designers decided to further emphasize the uniqueness of Paprocky. LED lighting is installed on every shelf, in every compartment and under every bottle. All these combined actions allowed us to create a sales, advertising and exhibition place called Paprocky, which is undeniably exceptional.

Paprocky Barrel is made entirely of corrugated cardboard - type BC and E. Elements glued in layers. Paprocky leaf printed in digital technique. An additional element is LED lighting.



Nuri Display

Company: Smurfit Kappa
 Category: Point of Sale

This display is a solution developed from honeycomb material, adorned with edge banding, and features a design resembling a can, matching the showcased product. With four shelves capable of accommodating up to 160 product units, it boasts a glossy digital print for a premium, vibrant, and eye-catching appearance. It comes fully assembled, ready to stand out at any event or point of sale.

bio-home Laundry Sheet Detergent

Company: Lam Soon Singapore Pte Ltd
 Category: Household

bio-home is range of eco-friendly home cleaning solutions, using plant-based active ingredients and non-harmful chemicals to clean and protect your home and environment.

At bio-home, we are working towards a zero-waste journey.

bio-home Laundry Liquid Detergent first started in a recyclable PET bottle, but we have since developed PET refill packs. Now, we have developed Laundry Sheet Detergent in paper box format.

Our bio-home Laundry Sheet Detergent 25 sheets are designed to be compact for storage in homes with small spaces, reducing the amount of paper packaging material required. In addition, no plastic is used in our packaging box; even the sticker seal is made from paper.

A drawer has been incorporated into the box. Designed with an indentation, this allows consumer to slot in a finger and pull out the drawer seamless from the box, thus retrieving each laundry sheet with ease.



WORLDSTAR
WINNER
2024



New standards in packaging innovation. **Covered!**



EcoLam

Fully recyclable
mono PE

Category: Packaging
Materials & Components



EcoLamHighPlus

Lightweight fully recyclable
mono PE Laminate

Categories:

- Household
- Health & Personal Care



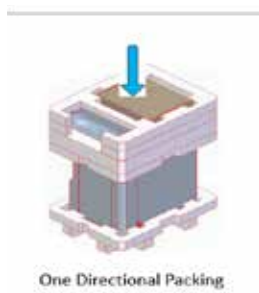
www.cflex.com

**WE'VE
GOT THIS
COVERED.**

Loadhog Pallet Lid

Company: Syspex Technologies Pte Ltd
 Category: Packaging Materials and Components

The Pallet Lid goes beyond just a packaging solution; it is a powerful tool for promoting sustainability. By reducing or eliminating the need for stretch films, it champions the concept of source reduction and significantly reduces the amount of single-use packaging waste. Its reusability and recyclability demonstrate its commitment to an eco-friendly future, effectively reducing companies' carbon footprint while aligning with their sustainability objectives. The Pallet Lid is built with efficiency in mind – it's user-friendly, saves valuable time (securing a lid in just 20 seconds, compared to 2 to 3 minutes with stretch films), and minimizes labour efforts. Its robust design withstands the harshest conditions, ensuring long-lasting performance and protecting valuable goods. This reduces the frequency of replacements, minimizes landfill waste, and promotes the circular economy. Our product is not just packaging; it's a comprehensive sustainability solution.



One Directional Packing

Medical Device Packaging Solution

Company: Greenpac (S) Pte Ltd
 Category: Transit

Liquid Chromatography Instrument is a highly sensitive and delicate medical instrument in the analytical chemistry toolbox, with nett weight around 22 kg. A green and innovative packaging solution developed to meets ISTA 3(A) standards for protection of equipment, and improves productivity, efficiency and cost savings. Innovative One Step Un-Boxing Experience - Ergonomic design included unique handles to facilitate ease of lifting equipment out of the packaging during unboxing. This simple and efficient solution for lifting product out of the towering box provides for safe and fuss-free handling of the 22-kg equipment, thereby minimising damages to sensitive product, and protecting workers from injury. Smaller Footprint, Larger Capacity -The top-down design allows the number of packaged equipment to increase from 4 to 8 equipment per pallet, doubling the capacity while using the same footprint. Less packaging waste - Packages use less packaging material, lowering the unit cost of the packaging and freight. Major Product Claims 1) Environmental Factors and Savings • less packaging waste (reduced by 50%) • less storage space (reduced by 50%). • lower freight costs • RoHS and REACH compliant 2) Increase Operational Efficiency and Productivity • Unique unboxing experience with ergonomic handle design to facilitate the lifting of the 22 kg equipment out of the tower package, provides for ease and fuss-free handling of equipment, thereby minimising damage to sensitive product, as well as injury to workers.

SOUTH AFRICA

Romano & Arthur Ford Cosmetic 470ml Jars

Company: Ren-Flex Packaging
 Category: Labeling and Decoration

This IML Label presents innovation in presentation, sustainability and recycleability of a metallised finish. Label film is laminated with digitally printed foil and varnished. No static required in mould. The label is bent around a radiused base and upper edge (under cap interface) giving a borderless look. This gives a 3D shrink sleeve look. No register issues are experienced as the print is applied on top of the foil rendering the flexibility of full or partial coverage. Also allows for the bending of the IML label around a 3D surface. Intricate designs with sharp artwork lines are possible. Lamination of IML substrate to Foil material is a commercially viable option as artwork changes for foiling areas are seamless as no Flexo plates are required. Materials may be pre-laminated in bulk. The borderless label gives the finished jar great size impression and visible shelf impact. No waste of foil materials and flexo plates. The product is hot filled which makes it suitable for IML. The material gives a "orange peel effect" for a premium "look and feel" presentation after moulding. Challenges were limited to the label being held in the mould without static once inserted and PP injected. Placing the label around the foot of the jar is revolutionary and unique in presentation.



Comfort Fabric Softener and Sunlight Fabric Softener Pouches

Company: Constantia Flexibles South Africa and Unilever South Africa
 Category: Packaging Materials and Components

In a triple SA first, Constantia Flexibles has developed: 1) The first fully recycle-ready range of fabric-softener pouches for two major brands. 2) The rst fragrance release pouch for Unilever-SA. 3) The first polyethylene fabric-softener pouch for Unilever-SA. Made from Ecolam substrate. The previous packs were non-recyclable nylon/polyethylene pouches without fragrance-release. The dual requirement for a brand-new recycle-ready, fragrance-release pack involved a collaboration between Unilever and Cflex and the use of a novel laminate, Ecolam. Ecolam is made from Mono Polymer and has all the required barrier properties to protect and preserve the contents. The polyethylene laminate was engineered for Unilever SA so as to provide both recyclability and a fragrance-permeable barrier. Some clever material science produces a laminate that is impervious to liquids but not to fragrance molecules. The fabric-softener stays in, but the fragrance crosses the laminate so that customers can experience the product.

Mirari Christmas Light-Up Edition 2022

Company: Glass Decorations CC
 Category: Alcoholic Beverages

A Gin pack inspired by the fantasy story, The Nutcracker. Glass Decorations, in collaboration with Time Anchor Distillery and Haumann Smal Design, produced packaging that not only takes one on a journey, but creates a joyful and festive spirit. The Mirari Christmas Edition Gin range is sparkly and whimsical with a touch of technical magic. Silkscreen printing directly onto this slanted bottle, required precise print techniques to achieve the detailed geometrical design elements and colour to colour registration. The on-shelf impact is enhanced through development of perfect colours for each variant, maximising the charm it creates in the hand of our consumers. Utilising heavy metal free inks on inert glass bottles, provides a fully recyclable or even reusable pack. The art of decoration recreates a festive pack which contains edible snowflakes, and a hidden switch underneath illuminates the pack - just see the magic of this story come alive!



ENTER ON-LINE
www.AfriStar.africa



AFRISTAR

A W A R D S
2 0 2 4

The Showcase for African Packaging



Entry is open to packaging produced in any country in Africa.

All finalists will be eligible to enter the WPO WorldStar Awards.

Introductory offer: ENTRY IS FREE

Enter Online www.AfriStar.africa

Entries close 31st July 2024

African Dew Liqueur

Company: First Impression Labels

Category: Labeling and Decoration

This 4-variant PET sleeve, was created for African Dew Liqueur. The sleeve provides differentiation, visual appeal, 360 degree décor in an increasingly competitive market. The complex design combined reverse and surface printing to create eye-catching graphics blended with the special colour mix to match the capping.

The African Dew sleeve presented significant challenges to the FIL team.

The 40-micron sleeve is exceptionally intricate and was reverse-flexo- printed in 8 colours with an added surface-print matt varnish.

The metallic areas on the leopard, the logo, the leaf and fruit designs were created by printing high-lustre metallic silver ink onto the existing colours during the print run. Every variant has different design elements.

1) The effect of the high-lustre metallic ink on the shrinkage was mitigated by using minimal coverage combined with Esko 3d software..

This ink adds weight to the film and affects the manner in which the sleeve shrinks onto the bottle. 2) The metallic effect had to be similar on all sleeves despite the fact that the colours on each variant changed. On each variant silver ink was combined with the main colour. 3)

The vignettes had to be designed so that they could cope with the shrinkage and not lose visual quality. 4) On all bottles the leopard had to appear in exactly the same place after shrinkage. 5) The icon above the African Dew lettering had to be in exactly the same position as on another variant that uses a self-adhesive label. 6) The shrinkage had to deal with a convex shoulder at the top of the bottle



Fry's Frozen Food Range - FreezeKote®/FastSeal®

Company: SealGlobal.Co

Category: Packaging Materials and Components

FreezeKote®/FastSeal®, on cartonboard, offers a fully recyclable, repulpable, organically degradable, paper-based replacement for Polyboard in frozen foods. The Fry's frozen foods range is now packaged using this trademarked, environmentally sustainable system. Whilst the prolonged shelf life of frozen food helps reduce overall food wastage, plastic pollution from polyboard packaging has a profoundly negative effect on our environment, polyboard is not easily reuseable and is not recyclable, and ends up in landfill after being discarded into the standard municipal waste stream. Once in landfill, these materials do not biodegrade as organic matter. Instead, they exist intact for approximately 450 years. Plastic has traditionally been thought of as the best material to package frozen food as it preserves flavour, prevents spoilage, and is durable against condensation and deep freeze conditions. However, FreezeKote®/FastSeal® offers the first alternative of its nature to deliver these same benefits with significantly reduced polyboard waste into the environment.



Paper Tray for Air Fryer Frozen Meat

Company: Ourhome

Category: Food

The main purpose of the development of this Paper Tray for Air Fryer Frozen Meat was to provide the convenience of the usage of cooking as well as transportation. The developed Tray has a Non-flammable quality that does not burn when cooking in an air fryer, and support and side punching structures are applied to maintain the crispness of frying after cooking by Minimizing the contact area between paper and products. In addition, the application of paper materials that are easy to recycle, not plastic, gives eco-friendliness to meet the needs of consumers who want to practice eco-friendly lives. When the sensory evaluation was conducted on 36 employees after cooking the air fryer by applying the developed Tray, the overall preference was significantly higher than that of paper foil, confirming the improvement of the developed Tray.

○ Convenience - Improve consumer convenience by using the tray for cooking the product in an air fryer as well as transportation - Easy to transport by applying chopsticks punching structure ○ Technical properties - Obtaining non-flammable paper materials that make it possible to cook at temperatures above 200°C - Maintain the crispness of the fryer when cooking the air fryer by applying a punching structure considering the contact area between the paper and the product and air circulation inside the tray - Overall preference and crispness scale were significantly improved compared to paper foil in internal sensory tests (comparative evaluation, 9-point scale) ○ Environmental friendliness - Reduce plastic usage by applying paper materials - Reduce resources by eliminating the use of subsidiary materials such as paper foil or cleaning after cooking



Tapeless Delivery Packaging Solution(Invoice Type Tape & One Touch Box)

Company: CJ Logistics

Category: E-Commerce

Tapeless Delivery Packaging Solution is a solution that allows e-commerce sellers and consumers to experience fast, convenient, and eco-friendly. Packaging tape is possible only with a invoice and box without tape, and consumers who receive it can easily protect personal information by removing tapes and invoices at the same time when opening the box. In addition, it is an innovative e-commerce packaging that considers eco-friendly by applying a linerless Invoice.

(1) Easy packaging for any e-commerce operator ; By improving the existing delivery box packaging method that required OPP tape, easy packaging is possible through a bottom-mounted box(One-Touch Box) and a new Invoice design(Invoice Type Tape) ; It is expected to reduce working hours by about 44% when introducing One-Touch boxes compared to existing packaging methods, and about 10% when introducing Invoice Type Tapes.



Red Ginseng Vital Tonic Booster box

Company: KGC(KOREA GINSENG CORP.)

Category: Health and Personal Care

JUNG KWAN JANG is representative red ginseng brand nationally and internationally that aims to lead change of the market by improving user convenience and developing eco-friendly packaging techniques

- Double formulation packaging that allows you to take in liquid and tablets at once

- Increase recyclability by organizing packages in paper only

- Reduce Packaging material usage by 45% and lose 28 tons per year

- Minimize packaging space ratio by applying compact structure

- Paper carriers are applied inside the luggage box for easy movement and storage

1. Double Formulation Packaging - Double formulation packaging that allows you to take in liquid and tablets at once - Design registration(30 - 1192705) 2. Packaging Structure Optimization - Minimize packaging space ratio by removing unnecessary packaging materials 3.

Openability - Improving the opening strength by applying half-cutting to the bottom of the metal cap 4. Recyclability - Structural design to facilitate separation of metal caps and plastic caps 5. Ease of use and displayability - Paper carriers are applied inside the luggage box for easy movement and storage



All-Paper Gift Set Package Applied With a Paper Shopping Bag with Sewing Type

Company: Daesang Co., Ltd.

Category: Packaging Materials and Components

In 2022, we produced a 'plastic zero' holiday gift set using 'all paper package of the gift set'. All paper package of the gift set is an eco-friendly packaging material that completely replaces the existing non-woven stitched shopping bag with a paper shopping bag and significantly improves the recycling rate by applying eco-friendly certified paper, eco-friendly soy ink, and a water-based coatings. In recognition of this effort, the 'all paper package of the gift set' won the '17th Korea Star Awards 2023' provided by the Minister of Trade, Industry and Energy. Daesang Corp. plans to expand sustainable packaging that utilizes the keyword 'natural' in the future and to actively practice ESG management.

- "Plastic Zero" paper shopping bags with sewing type were created and put into use to replace the current synthetic resin non-woven bags with 100% paper materials. - To develop a "paper shopping bag with sewing type" out of paper materials in order to ensure recycling and reduce plastic packaging waste. - All gift sets are packaged in environmentally friendly paper boxes made from FSC-certified paper, eco-friendly soybean oil ink, and water-based coating (OPP Lami films removed). - Paper shopping bags with sewing type created by assessing strength appropriateness are used for all gift packages (160 items). → Assure the quality and safety of distribution and logistics. - Introduced a package made entirely of paper, including a paper tray and a paper shopping bag (18 items). - Improving eco-friendliness by using a paper shopping bag with sewing type and an easy-to-recycle all-paper packaging to reduce "plastic usage" by 450 tons



ECO Up & Down

Company: yonwoo

Category: Health and Personal Care

1. A 100% recyclable airless bottle. (Applying All Polyolefin).
2. Easily refill the content tray set with a simple push/pull snap action
3. Assemble the refill bottle conveniently without orientation, and implement a button-lock function when the refill bottle is lowered.

3. A capless product where the inner bottle set is up/down through shoulder rotation.

The inner bottle is made of All Olefin materials, ensuring 100% recyclability. The outer bottle is also composed exclusively of PP and PET, facilitating recycling and enabling aesthetic expression in packaging. Refilling the inner bottle is made easy through push/pull operation, and the outer bottle also offers convenient usage with a simple shoulder rotation.

Dew Single Compact

Company: yonwoo

Category: Health and Personal Care

1. A refillable compact product that is 100% recyclable and separable for disposal.
2. Made exclusively from eco-friendly materials, using PET for the bottle and AL for the dish.
3. The dish can be detached and reattached by a simply rotation the shoulder.

This product addresses all the issues of the previous compact product, which was composed of non-recyclable materials like PETG and ABS and used an assembly method that couldn't be easily disassembled for recycling, requiring disposal.



Eco Liner

Company: Thermo Lab Korea

Category: Packaging Materials and Components

Eco-liner is an eco-friendly shipping box that can replace expanded polystyrene using paper fiber-based insulation recycled from waste paper. It is used throughout the delivery of fresh food or medicine that requires temperature control and can be maintained at fresh food logistics temperatures of 0°C to 10°C or 2°C to 8°C for up to 47 hours. The rough surface of the paper fiber and the large number of air layers formed on the fiber have ensured excellent insulation performance, and the impact mitigation effect can replace the packaging buffer. Stacked storage increases storage efficiency by more than 50% compared to Styrofoam, resulting in reduced costs for the enterprise due to efficient management of storage space. It is composed of more than 99% of paper, so it has been designated by the Korea Environment Corporation as a target of "separate discharge of paper" and can be separated and discharged as paper.

Eco-Roller Box

Company: CARETBIO Co., Ltd.

Category: Packaging Materials and Components

CARETBIO is a company that creates a sustainable life and future with the aim of resource circulation and carbon neutrality. This year's new product, Eco-Roller Box, won the Korea Star Awards 2023 in recognition of its sustainable packaging with eco-friendliness and work efficiency.

It is a non-adhesive double-fixed cardboard box with a 100% recyclable hexagonal structure and is a de-plastic packaging material. Since the structure itself acts as a buffer material, there is no need to add a buffer material, and the use of raw paper has been reduced by more than 20% compared to overseas competitors. In addition, it is possible to realize a safe working environment without adhesion and can be easily and conveniently assembled by anyone, including the socially disadvantaged. This product will contribute to accelerating ESG proliferation and achieving carbon neutrality early through resource circulation, redefining eco-friendly as a reasonable and efficient word.



Slide handle cup

Company: NONGSHIM
 Category: Food

South Africa's first multilayer bucket containing post-consumer recycle (PCR)!
 The slide handle container utilizes the structure of a double-layered paper container. It allows for easy use by pushing the outer cup inward to adhere, and it is compatible with the existing production method, minimizing the burden of cost increase. Most importantly, it features a handle function that alleviates the inconvenience of a hot container surface during microwave cooking and introduces a new cooking method, thus enhancing the product's convenience.



T9 e-Scooter Box

Company: Smurfit Kappa
 Category: Transit



Our packaging solution is designed to be compact and efficient. We've carefully designed it to maintain a compact form, ensuring it never exceeds a maximum outer length of 120 cm. This means you won't have to worry about it taking up unnecessary space, whether in storage or during shipping. Additionally, we understand the importance of cost-effective shipping. That's why we offer an economical parcel service option, delivering outstanding value while securely transporting your items to their intended destination. Assembling your product is a breeze with our packaging. The rear wheel is thoughtfully disassembled, simplifying the setup process and allowing you to start rolling in no time. In addition this solution improved the unboxing experience of the customer when receiving the product. *In line with our commitment to sustainability, we've manufactured a 100% recyclable box from a renewable raw material. Furthermore, our packaging goes the extra mile to safeguard the product. It includes specialized protection for the Visual Control Unit (VCU) screen, ensuring it arrives in perfect conditions. But our dedication to sustainability doesn't end there. Our packaging is designed for reuse, not only minimizing waste but also contributing to a greener future. Finally, our packaging solution is tailored for the European e-commerce market. It guarantees both the safety and efficiency of your deliveries to customers across Europe, making it the ideal choice for your business*

Gernetic Case

Company: Alzamora Group
 Category: Health and Personal Care

Following the client's packaging guidelines and their commitment to innovation and differentiation in their packaging, this sophisticated and elegant pack has been developed, which enhances the brand's corporate identity thanks to its curved shapes. The package boasts a truly unique and structurally ingenious design. It has been crafted from a single piece of cardboard, resulting in an almost spherical case. While its appearance is undeniably spectacular, folding the Stora Enso virgin cardboard to shape the case can be done quickly and with minimal handling. The project posed the challenge of showcasing the product in a visually appealing way while ensuring ease of use and quick, straightforward handling. The goal was to optimize productivity without compromising the functionality or aesthetic appeal of the package. A packaging that protects the product and presents it as a beautiful gift.



rPET VACSAC, Sustainable FIBCs that preserve Organic Products with Modified Atmosphere Protection

Company: CLIMESA
 Category: Packaging Materials and Components



rPET VACSAC is an FIBC with an outer body made of rPET Raffia and an Inner Liner made of Multilayer Barrier Film. This special liner includes a VACSAC Valve. Once it is full with an organic product, we can link VACSAC Tech Equipment to the valve to do VACUUM and flash inert GAS to create a Modified Atmosphere Protection. Thus, FOOD will be preserved by extending the shelf life and insects will die by means of an ECO treatment. To reduce the CARBO FOOTPRINT of the whole package, we are switching from Virgin PP to rPET coming from the Recycling of Bottles.

rPET VACSAC saves FOOD while reducing the CO2 emissions.

COPACK

Company: CARTON ONDULADO Y PACKAGING ANDALUCES S.L.U
 Category: Other

Innovative and sustainable packaging solution for paella transport. Introducing our patented product, an ingenious solution to transport paellas, a popular Spanish delicacy, effortlessly and without affecting their temperature until consumption. This innovative lid is specially designed for the hassle-free transport of paellas. Designed with the user's convenience in mind, the lid features integrated side handles that allow for seamless and hassle-free transport of paella while preserving the quality of the rice. To attach the lid, simply place it on top of the paella and thread the side handles through the existing grips to ensure stability during transport. At the heart of the cardboard lid are two perforations for heat dissipation, preventing heat buildup and ensuring optimal serving temperature. *What makes our lid special is its versatility, as it contains two or four separate cardboard mittens (depending on the size of the lid) that can be removed and used as hand protection for handling hot paellas. Its lids are designed to fold neatly to optimize storage space. Our food grade corrugated cardboard packaging is not only environmentally friendly, but also recyclable and has FSC certification. This sustainable material replaces traditional aluminum foils and plastics that were previously used for this purpose. It also provides a customizable advertising platform that offers opportunities for branding and promotion. Choose our innovative and sustainable packaging solution to efficiently transport paellas while contributing to a greener future.*





The **ACTIVE** Flexible Intermediate Bulk Container



1



Filling

Meats / cereals and legumes / nuts / leaves and seeds / grain foods / spices and powdered foods, ... etc

2



Heat sealing

3



Vacuum and/or gasification



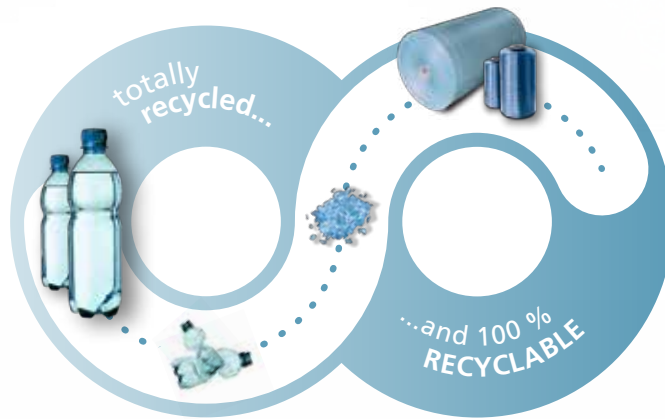
...and that's it!



Atmósfera Protectora

VACSACTM

BIO-CONSERVACIÓN



Find more information in www.fibcnet.com



A fully sustainable product, **made in Barcelona** by



Corrugated cardboard packaging for the protection of vehicle chassis

Company: DS Smith Tecnicarton

Category: Transit

Corrugated cardboard packaging for the protection of vehicle chassis for direct delivery to the customer's assembly line, guaranteeing the protection of the parts throughout the process.

This solution makes it possible to replace metal packaging or packaging with EPS, EPP, wood, etc. positioners with single-material, 100% recyclable, single-use cardboard packaging that is much lighter and cost-optimised for the customer.

The packaging replaces a metal container and self-assembling cardboard positioners are used, both at the base of the container and at the top of the parts, fixing and protecting them throughout transport.

This solution improves protection, handling, cost reduction and sustainability performance throughout the company's value chain.



TUPack

Company: Smurfit Kappa

Category: E-Commerce

We have developed an innovative packaging solution for two-bottle cases intended for home delivery. This versatile protector is designed to accommodate bottles of various sizes (100cl, 70cl, 50cl) and ensures product stability during transportation. Sustainability is at the forefront of our priorities, as we use a single material that is entirely recyclable and renewable. Our one-piece structure ensures quick assembly and a significant reduction in carbon footprint while effectively safeguarding the bottles. This sustainable and efficient approach offers advantages in both ease of assembly and the reduction of environmental impact.

In a world where environmental consciousness is increasing, our packaging solution aligns with the growing demand for eco-friendly options. Not only does it help reduce the carbon footprint associated with packaging, but it also simplifies the assembly process, making it a convenient choice for businesses and consumers alike. By choosing our innovative packaging solution, you're not only ensuring the safety of your products during shipping but also making a positive impact on the environment.

AgroLife®

Company: Smurfit Kappa

Category: Fresh Fruits and Vegetables

This solution is perfect for fresh products such as fruits and vegetables that experience accelerated deterioration during the supply chain due to exposure to ethylene gas. Ethylene gas is naturally emitted by certain fruits and vegetables and can speed up the ripening process, leading to shorter shelf lives. This solution effectively absorbs this gas, slowing down the ripening process and extending the product's shelf life by up to 50%. By ensuring that the product reaches its destination in better-than-expected condition, it guarantees that consumers receive fresh, high-quality product. As a result, significantly less product waste is generated, making it an environmentally responsible choice.

In Spain, where approximately 7.9 million tons of fruits and vegetables are wasted annually, this solution plays a crucial role in reducing food waste. This makes it not only a practical choice but also an environmentally responsible one, contributing to the reduction of food waste and reducing the carbon footprint.



Twin Pizza Box

Company: International Paper

Country: E-Commerce

This is a project to optimize the standard pizza box in order to take advantage of resources, save material and time and provide added value through innovation to transport two pizzas in the same box.

This design supports the marketing actions of our clients who use the 2x1 promotion to sell 2 pizzas per order. We reduce the assembly time of the box from 2 units to 1 unit. In addition, for the end user at home, it includes 2 pizza triangles and this Z design system allows you not to use any other type of plate and use the material to help eat.

Display for Lindt Chocolate

Company: Smurfit Kappa

Category: Point of Sale

This innovative display solution tackles common challenges faced by our customers and industry players. A key issue with in-store displays is their declining visual appeal as products deplete. To address this, we've incorporated a unique waterfall function. As one product is taken, another smoothly fills the gap from a concealed shelf, significantly extending the display's visual impact.

Furthermore, this display offers versatile usage options. It can be enhanced by adding shelves to create a larger impact or can be utilized for showcasing three different products, regardless of their varying sizes. This multi-purpose functionality also enhances the cost-efficiency of the display.

In terms of cost-efficiency, careful consideration has been given to the design and construction of the display's components. Various intelligent solutions have been incorporated into different parts, making it easy and efficient to assemble. This not only ensures streamlined operations at the warehouse but also reduces labor time.



Statorfold

Company: aPak AB and Mondi Ansbach

Category: Transit

Statorfold sets a new standard for safe, sustainable, and efficient packaging. It does so by offering good protection, easy handling, and great economics in a very sustainable manner. Statorfold is a flexible cardboard solution for stator components that replaces an expensive and cumbersome solution in plastic. It offers great protection thanks to the unique BCB cardboard and the smart interior that protects the delicate parts from impact. The solution requires no glue or other fasteners and can therefore be assembled and dismantled in no time. The construction is delivered flat, which facilitates for freights and handling. It's also modular, which means it can be assembled to house between 6 and 30 components.

- From plastic to cardboard - Lightweight – A fraction of the previous weight - Big cost savings – Materials, freight, and storage - Effective transport and storage - Easy and fast assembly/dismantle - Great protection – BCB Cardboard and customized interior - Modular construction - Environmentally friendly – Material, weight, design



HMR Fibre

Company: Duni AB

Category: Packaging Materials and Components

Our HMR Fibre range is a great innovative example of achieving great sustainability without sacrificing functionality and performance. This innovative addition to our Duniiform® sealing concept offers a seamless transition for businesses seeking eco-conscious alternatives to the traditional fossil-based plastic trays. Crafted from renewable sugarcane fibre and featuring minimal plastic lamination, these trays represent a remarkable 90% reduction in plastic content compared to conventional options, setting a new standard for environmental responsibility. Moreover, our HMR Fibre range is free from added PFAS, ensuring food safety while also providing outstanding grease and water resistance for both hot and cold foods. It goes beyond sustainability by offering versatility, as it can be used with sugarcane fibre lids when not sealed. Additionally, one version of the trays provides MAP functionality, allowing for extended shelf life, which significantly reduces food waste, making it an exceptionally sustainable choice.

Breeze Cups

Company: Duni AB

Category: Packaging Materials and Components

Our Breeze cups are a game-changer, offering an eco-conscious alternative to traditional plastic glasses. By using a sugarcane-based fibre mix, coated with a thin plant-based PLA bioplastic, we not only reduce plastic waste but also breathe new life into a byproduct that would otherwise have gone unused. The convenience of volume filling lines in each cup simplifies service, making it accessible and user-friendly for both businesses and consumers. The range is supplemented by a variety of matching lids, including options made from sugarcane fibre, plant-based CPLA bioplastic, or recycled PET, making it possible to cater to diverse needs and preferences. Our innovative paper cup range is a step in the right direction toward a more sustainable future, addressing a critical environmental issue. By choosing the Breeze cups, our customers are not only supporting a practical and eco-conscious product but are also endorsing a crucial shift away from fossil-based single-use plastics.



SWITZERLAND

Optimized Implant Packaging

Company: MULTIVAC Export AG; Stryker GmbH

Category: Medical and Pharmaceutical

This optimized implant packaging allows medical professionals to handle medical products quickly and hygienically, meeting international standards that require these devices to be delivered to the point of use in clean and functional condition. Usability requirements also demand safe and effective handling, while customers expect rapid unpacking. The packaging not only enhances hospital operations but also delivers substantial production benefits. Automated production increases efficiency, achieving up to fivefold speed compared to manual methods. Thermoforming enables convenient product placement, and automated labeling and content checks further streamline the process. This new packaging can also be used in part for products that were previously packaged in rigid film trays. This avoids immense mountains of waste in the operating rooms and also saves large quantities of plastic. The packaging process itself also saves a lot of energy and costs. In fact, instead of semi-automatic bag or tray packaging systems, state-of-the-art and fully automatic thermoforming packaging machines are used. An all-round multiple sustainability effect is generated!



Abdullah Colakoglu

Company: Rheinpack GmbH

Category: Gift Packaging

The representatively designed packaging for the 125 Years Swiss Army Knife project reflects the Swiss man's journey through time in a fascinating way. Officer's and sports knives. The limited replica from 1897 is unfolded. Packaging presented as a "time capsule" stylishly unique. The packaging tells a story from the beginning until you finally get to the content. The perfect executed packaging functions and the aesthetic design with the product a new type of unity emerges as a design concept completely convinced. The interaction of perfectly designed packaging and the balanced product graphics result in an extravagant design and represents the Product in the open state in focus. The packaging consists of 9 individual parts. All parts were put together by hand. This includes 8 magnets. It was both printed and hot foil stamped. All production took place in Victorinox's home country Switzerland. It was a limited edition of 10'000 piece. It contains details such as the mountain contour which leads over the insert into the lid. These had to be attached precisely. The packaging was made individually and exclusively for the customer. The customer's explicit request was for the product to be manufactured in Switzerland. The mountain contour and the colors red/white reflect Switzerland.





Echovai: The world’s first returnable bottles made of thermally tempered lightweight glass

Company: Vetropack Group

Category: Packaging Materials and Components

With Echovai, the Vetropack Group is launching a genuine innovation: the first returnable bottle made of tempered lightweight glass. Echovai boasts a weight reduction of up to 30 percent, greater stability and significantly less scuffing than on a standard bottle at the same time. The result: great cost-effectiveness and high circulation figures. Additionally, the next generation of returnable glass bottles also sets new standards in terms of sustainability and digitalisation. <https://www.vetropack.com/en/products-services/glass-packaging/echovai/>

- Glass is one of the most sustainable and environmentally friendly packaging materials. It is made from natural resources and is 100 per cent recyclable. - Bottles made of Echovai glass are around 30 per cent lighter than conventional bottles. - This plays a key role, especially with returnable bottles, as they have to be transported back to the bottling plants. - Pilot user Mohrenbräu shows: For the beer types that are already filled in Echovai bottles, the logistics effort could be reduced by around 1,000 tonnes of CO2 per year. - This reduces the CO2 emissions per bottle to only a quarter of the standard returnable bottle used up to now.

TÜRKIYE

Mix-Berry

Company: Mondi

Category: Fresh Fruits and Vegetables

Mixberry is a sustainable packaging design for e-grocery, protecting delicate berries inside without use of any type of plastic packaging elements. Easy to install Mixberry, aims to lead small portion trend in the field of sustainability. Made from corrugated cardboard to support prolongation of shelf life inside products, MixBerry not only reduces packaging waste, but also supports the circular economy by preventing food waste. Adaptable handle features pick-up&go; and also be used as flat to support stacking tabs and maximize warehouse&shipping advantages. Mixberry can be adaptable to different FF&V, can be used in both e-grocery&grocery stores. Mixberry avoids 469% CO2 footprint resulting from plastic production&use. It offers good unboxing experience to e-grocery customers. It's easy disposal structure facilitates recyclability. Advantages of Mixberry compared to other solutions in market; • 469% less CO2 footprint • Eliminates plastics • 100% Recyclable/environmental friendly • More product per pallet/shipment • Quick installation/easy disposal • Printing



Stack to Transport

THAILAND



Chinese New Year Orange Box

Company: Thai Containers Group Co.,Ltd. (Head Office)

Category: Luxury

Orange Chinese New Year Boxes use as a token of respect during Chinese New Year. This box designed to be a gift of prosperity, a symbol of good fortune and a piece of art that elevates the gift experience. Shape of the box inspired from the timeless Cheongsam attire, encapsulating the essence of Chinese culture while embracing a fresh and contemporary perspective. The surface will be adorned with Cheongsam embroidery, incorporated traditional Chinese auspicious animal and flowers. The graceful phoenix represents a harmony and new beginnings and the illustrate of peonies, the 'king of flowers' in Chinese culture, symbolize wealth and honor. The gold stamping is used for a luxurious look and finish the surface with a matt lamination.

Benyapa Lertleelakitja

Company: Westrock (Thailand) Limited

Category: Alcoholic Beverages

Design Idea

- Replace: Take out one time used plastic shrink film packaging, with compostable paper.
- Reduce: Minimize paper usage by innovative design with self-handle for elimination plastic bag.
- Sustainability: Much better improvement of carbon footprint by reduce Co2 emission and LCA improvement.

Concept

- Packaging lock can at the lid only with special design tooth to minimizing packaging material.
 - Finger hole on the pack for self-carrying. It's strong enough with no need plastic bag anymore.
 - In the printing process used Soy-based ink with no heavy metal mixed for environment friendly.
- This pack had been tested by the Cyclical drop (Jerk) test. Both dry and humid conditions process. Humid test had been done after place packaging in the humid environment more than 24 hrs. The handle is held by the gripping tool and dropping by gravity force in a curtain distance heigh.



Singha Park Gift Set

Company: Thai Containers Group Co.,Ltd. (Head Office)

Category: Gift Packaging

The concept of design draws inspiration that aims to communicate the importance and beauty of the environment through packaging :

The box's structural design takes inspiration from the shapes of mountains, with handles for convenient transportation. These handles can be folded for stacking.

The graphic design tells a story, starting from the freshwater rivers through to the seas, from the skies above the mountains, passing through the lush urban greenery to the deep sea, with continuous watercolor-painted lines wrapping around the box.





ASD Turkish Packaging Manufacturers Association

ASD was established in 1992 by 39 members with purposes of fostering the growth of packaging industry, giving an identity to the sector, representing the sector in national and global arenas, establishing scientific, technical, and social cooperation and solidarity among members.

In 2024, ASD has 250 members that are active in every branch of the packaging sector in Turkey; flexible plastic packaging, rigid plastic packaging, glass packaging, metal packaging (aluminum & steel), paper, carton board, corrugated cardboard, wood packaging, packaging machinery, label, closures & caps, raw materials and other auxiliary packaging materials.

Activities: ASD Webinar, ASD Packaging Congress, Crescents and Stars For Packaging Competition, ASD Packaging Academy, Ambalaj Dünyası - Packaging World & Pack Converting magazines, Packaging e-Bulletin, Eurasia Packaging Istanbul Fair, Student Competitions, International Events & Competitions, Turkish Packaging Industry Report, University-Industry Cooperation, Packaging Library, Government Relations & Corporate Communication works.

Please visit www.ambalaj.org.tr for more information.



Member of:



Crescents and Stars for Packaging Competition

Crescents and Stars for Packaging Competition is organized by the ASD every two years. The competition is for packaging products manufactured and launched by both Turkish companies and all other companies abroad.

Categories;

1. Beverages
2. Electronic and Electrical Household Appliances
3. Food
4. Health and Cosmetic Products
5. Home - Automotive - Office Appliances, Equipment and Disposables
6. Packages for Other Non-food Products
7. Pharmaceutical Products
8. Industrial and Transportation Packages
9. Packaging Materials and Components
10. Point of Sale Display, Presentation and Storage Products
11. Flexible Packaging
12. Graphic Design
13. Luxury Packaging

Among the Gold Awards presented at the Crescent and Stars for Packaging Awards, Gold Packaging Awards will be also offered in cooperation with the Turkish Standards Institute (TSE). The Crescent and Stars for Packaging Competition is accredited and recognized by the World Packaging Organization (WPO) and Asian Packaging Federation (APF).

Please visit www.ambalajarismasi.com for more information.



National Packaging Design Student Competition

National Packaging Design Student Competition is organized by ASD with the contribution of Eurasia Packaging Istanbul Exhibition in collaboration with RX TÜYAP. The Student Competition that we organize each year is aimed at encouraging the students who receive design education in our country to be involved in the field of packaging design as well. Top three winners receive cash awards and a 12-month non-refundable ASD & TÜYAP Scholarship. All winner students are encouraged to participate in "WorldStar Student" and "AsiaStar Student" competition organized by WPO and APF.



THAILAND

Coco Boyz

Company: Starprint Public Company Limited

Category: Non-Alcoholic Beverages

"Less is more, simple but elegant" is the definition that most clearly expresses the identity of this packaging. Due to the low production costs, the packaging has a distinctive and unusual appearance by emphasizing the use of colors of the key raw materials, which are Kraft paper and corrugated paper. Reduce color printing by printing just 1 color with Soy Ink, saving time and energy in production as well as being environmentally friendly. Therefore, our Coco Boyz boxes are elegant, beautiful, and are 100% recyclable. Inspiration: From Nature to Nature (Product + packaging raw materials = back to nature throughout the supply chain friendly and safe for the environment) from this concept, we have thought of making local handicrafts in Thailand. That is container wicker used in packaging design. The outside is like a coconut shell that protects the coconut water inside. To be shortened to be more modern use the contrasting natural tones of the paper to make the packaging more elegant. Description: Premium + Cost saving + Sustainability is the main factor in the design of this packaging. By which we will reduce the cost of production but makes the packaging more luxurious including being environmentally friendly as well therefore, we use all natural ingredients. It is 100% biodegradable and recyclable, causing no waste in the environment.



TUNISIA



Transport Packaging

Company: Ghassen Wood Pack

Category: Food

Wooden and Plywood (Birch) Food-Safe and Eco-Friendly Crates suitable for transporting milk bottles, yogurt containers, and honey jars. These crates are exceptionally lightweight and sturdy. With our new assembly and disassembly technique using metal clips, our crates are easy to store and easy to handle. Our crates are fully sustainable.

Recyclable Inner Bag for Powder Milk (Nido, Nestle)

Company: Cogitel - Altea Packaging

Category: Packaging Materials and Components

Sustainable development for a recyclable and high barrier packaging suitable for powder food like coffee, powder milk... This development, qualified for Nido \Nestle Powder Milk", allowed the substitution of an aluminium multi-layer by a polyolefine film based structure allowing recyclability while preserving barrier properties. This innovation focuses on reducing the carbon footprint and improving the recyclability of the packaging. This packaging received the Gold award, Tunisia Star Pack2022 and is a winner in Arab StarPack Pro 2023



Wikipam

Company: L'Alchimiste

Category: Health and Personal Care

We take immense pride in presenting a project that holds a special place in our hearts. This project embodies our commitment to infusing social engagement into a beauty product capable of competing on a global scale alongside major international brands.

Our primary objective within this initiative has been to create a premium product that not only stands as a testament to exceptional design but also enhances the lives of marginalized women who gather plants in the mountains of Tunisia, endeavoring to establish their small businesses. To achieve this, we initiated a transformation of the product, elevating it to a status that exudes luxury and sophistication, transcending its traditionally humble reputation.

Our goal was to spotlight the remarkable quality and unwavering dedication of these women in their craft, ensuring they receive the recognition and appreciation they rightfully deserve. In pursuit of this vision, we meticulously designed high-end packaging that competes favorably with the leading beauty brands in the market.

Our overarching aim is to bolster the export of artisanal products created by rural women in Tunisia. By offering these products greater visibility and access to a broader market, we aspire to empower these remarkable women and support their entrepreneurial efforts.



UKRAINE

Packaging for Aroma Diffusers and Aroma Candles TM Ardema

Company: LLC VPK VESNA

Category: Household

The packaging for Ardema TM aroma diffusers and aroma candles is laconic and simple, but modern, convenient and elegant.

It is a single structure for two types of candles and two aroma diffusers. This is what saved the cardboard used for packaging and reduced the number of dies. The boxes are printed on an offset machine in a single design, and the labels with the different names of the aroma diffusers are printed on a digital machine on self-adhesive paper. The design of the label (an analogy to a wooden surface), wooden lids, caps and a wooden medallion with a logo, together with a super-environmental cardboard, is the main goal of our planet - to save the environment from contamination. Ecology and safety to create comfort in every home!

The exclusivity of the packaging consists in the combination of a complex design and polygraphic decision, printing with UV inks on cardboard with soft-touch varnish and congruous embossing, using slim technology to strengthen the structure, which gives the packaging an unparalleled look. Matte packaging is exquisite, elegant, and most importantly, economically feasible for a manufacturer of aroma diffusers and candles. In addition, the packaging is environmentally safe, made of cellulose cardboard with elements of natural wood and is 100% recyclable.



Biodegradable bag (compostable) for loose products

Company: RPE "Aventin" LLC
 Category: Food

The Doy-Pack with a transparent window is designed for packing solid and loose products. Such packaging ensures reliable protection of products. For consumer convenience, the package has a transparent window, showing the product inside, a notching for easy opening of the package, as well as a Zip Lock for repeated opening/closing of the package in case of long-term consumption of the contents. The package is made from a combination of four biodegradable materials: kraft paper, BoPLA Nativia NTSS, (compostable biopolymer film), BoPLA Zip Lock (biopolymer material), glue that bonds kraft paper and biopolymer film during lamination. Materials and glue are certified according to DIN13432. In addition to attractive organoleptic properties, provided by a combination of matte paper and high-gloss film, the packaging has the main advantage: preserving the environment through complete decomposition of the material into CO₂, water and biomass through microbial consumption and digestion.



Show-Box

Company: INTPACK
 Category: Luxury



Show-Box is based on the philosophy of the manufacturer of acting chocolate Wander: «There is always room for miracles in the world. You just have to be able to see them». The box has 4 faces (lozenges for candies) that resemble the 4 directions of the world, symbolizing a compass. The 4 faces of the box open, demonstrating new tastes and gastronomic discoveries, giving pleasure and new impressions. Premium packaging can and should be ecological, convenient and ergonomic. This is a box for author's chocolate, which is able to impress on a par with the product. The packaging looks simple from the outside, but just open it and the show starts. The box "blooms" with all its 4 sides, presenting each side in a winning light. The packaging reliably stores the product, allows you to present it in a window, as well as to use it when serving and tasting the product. Will look great at family tea parties, buffets and parties. The box allows you to place a large set of candies, if necessary, it is possible to select 4 different collections. Eco-friendly – made from European binding cardboard and design paper, which enables 100% recycling. If necessary, after its intended use, the box can be reused, for example to store wonderful little things. Let's decorate our life, preserving the environment for future generations. Manufacturer of exclusive handmade chocolate and sweets Wander.

UNITED ARAB EMIRATES

Amazon Tamper Proof Bags

Company: Hotpack Packaging Industries LLC
 Category: E-Commerce

E-commerce segment has problems of pilferage and traceability. Plastic bags produced by Hotpack are temper proof coupled with a unique feature of providing printed Unique QR codes in each bag. This has been achieved by having individual packs to be printed with different QR code enabling a 100% tracing of the product. The bag is also made of thin plastic with maximum strength that ensures desired opacity by providing black color inside. The opacity created by the black and white material does not allow the product to be identified. The material used is from Mono Plastic family Recyclable. Ensuring complete traceability of each pack allows the ecommerce giant to even create a data base of the users and run promotions of other applications or organizations. The pack is completely tamper proof as it uses the adhesive that makes it impossible to tear off the pack without damaging it. There are multiple sizes that are being supplied for this. There is a complete control on the software to ensure that there are no multiple use of the same QR code. The hygiene of the software is utmost important to enable 100% accuracy.



USA



Crystal Seal Cravings Round Deli

Company: Placon
 Category: Packaging Materials and Components

The Crystal Seal® Cravings® PET deli cups were launched in December 2022 to cater to the growing convenience and on-the-go deli food market. Unlike commonly used polypropylene deli cups, Cravings cups are made from EcoStar® post-consumer recycled PET, providing clear product visibility. They come in various sizes, including a unique 32-ounce tall option for holding cored pineapples. The cups feature a patented tamper-evident base-to-lid tab closure mechanism, ensuring product safety before purchase and allowing for reuse at home. The innovative design simplifies stacking and removal for store employees. Cravings cups address the demand for increased product visibility and tamper-evident closures. The tamper-evident feature involves pulling up a tab to open the lid after separating it from the base. The Crystal Seal® Cravings® PET deli cups were officially launched in December 2022. Today, supermarket delis most commonly use polypropylene deli cups, which usually do not have a tamper-evident feature incorporated on them. Each cup has a patented tamper-evident base-to-lid tab closure mechanism that ensure products are kept safe and untampered with prior to purchase. This provides assurance to the customer that the product they are buying has not been tampered with, something that is of growing importance to consumers.

Think Small, Dream Big -Small Sized Barrier PET

Company: The Coca-Cola Company
 Category: Non-Alcoholic Beverages

Big things can come in small packages! This is exactly what Coca-Cola had in mind when it developed new lightweight 12 oz. Barrier PET bottle for the future consumption category. Anchored by strong aspirations to significantly reduce the plastic weight while keeping freshness, retain bottle design equity, and easy to integrate into our bottlers, the packaging team set out to make this dream a reality. Smaller bottles are more difficult to keep their carbonation due to the volume-to-surface-area ratio. When you consider removing plastic weight and how a future consumption package travels through the supply chain to the consumer, this puts significant design limitation on traditional PET packaging. As the engineering team set out to develop the new bottle structure, they faced significant challenges when the design goals went head-to-head. The new structure needed to keep the iconic design features of each brand (Coke, Sprite, and Fanta), remain compatible with existing filling equipment lines, while reducing the plastic weight without affecting the beverage flavor. By combining new innovative design techniques and barrier coating technology, the team solved this dilemma. By introducing a thin glass-like barrier layer on the inside of the bottle, the plastic was reduced significantly and kept barrier properties like traditional glass packaging. Simply put, we doubled its shelf life at one-third its starting weight. This was not an easy task and as you can imagine, but through strong partnerships and innovation in design and manufacturing processes, we were able to deliver the bottle as promised.



El Bocooy

Company: Berlin Packaging, Studio One Eleven

Category: Alcoholic Beverages

Berlin Packaging and their Studio One Eleven design center developed the naming, branding, custom closure, canister, and the El Bocooy story told on the label. All elements of the packaging revolve around the barrel – or bocooy - in which the whiskey is made. The bottle has a modern, minimal, and striking graphic line which does not hide the product but enhances it. The design is made more original and compelling by the innovative design of the closure. The custom cap is made of carved and stained wood, imitating the bocooy with modern lines that are striking but simple. The outer canister is lined with imitation wood to further represent the bocooy. The holistic package design differentiates it from other whiskeys on the market. The brand has a premium positioning, and the packaging reflects that, however economics were also a consideration. The bottle is a stock component which saves costs for custom design and mold development. The durable bottle is designed exclusively by Berlin Packaging to meet the highest quality standards, and further enhanced by the secondary packaging canister that provides additional protection in shipping. Easy handling is essential for spirits packaging. The round shape of the El Bocooy bottle fits nicely in hand and is easily pourable. The oversized cap is easy-to-grip, and the canister has an easy open lid. Sustainability also comes into play as the clear glass bottle is recyclable and the canister is made of cardboard and metal, which are lightweight and recyclable.



Liberty Coca-Cola Beverages Mini KeelClip™

Company: Graphic Packaging International

Category: Non-Alcoholic Beverages

KeelClip™ differentiates on the retail shelf in the very crowded carbonated soft drinks (CSD) category, while instantly identifying with consumers as a more sustainable package that minimizes board usage and allows excellent visibility of the primary cans. Once purchased, consumers can easily remove single cans from KeelClip™ by simply pulling the can away from the keel (adhesive stays on the package) and twisting to remove from the top clip. KeelClip™ stores as well as other multi-pack styles, while allowing the consumer to see the entire can for improved brand impact. As a recyclable replacement to single-use plastic can rings, this fiber-based solution from Graphic Packaging supports Coca-Cola's to create a 'World Without Waste'. Consumers are much more likely to recycle paper and paperboard (66% in the U.S. and 84% in Europe) than they are plastic (less than 10%) moving the company closer to its goal of entirely. Consumers know that plastic packaging is a significant part of the world's larger sustainability problem today, and they recognize the importance of replacing plastic packaging with more Earth-friendly fiber-based alternatives. KeelClip™ provides Coca-Cola with just such a solution. While KeelClip™ holds the cans securely in place, it does not hamper the consumer's ability to remove cans from the pack, while convenient finger holes for easy carrying help to further create a convenient end-user experience. In development of KeelClip™, the designs have been thoroughly tested for performance and strength, using standard beverage package testing methods and standards, and KeelClip™ meets all specified performance parameters. The new KeelClip™ package provides a level of product protection equal to or better than the previously used plastic rings. Capable of direct palletization for suppliers, KeelClip™ eliminates the need for additional secondary packaging.

Nichols Farms Jalapeño Lime Pistachios

Company: PPC Flex

Category: Food

Nichols Farms Jalapeño Lime Pistachios is a unique package that blazes a new trail in printing with a brand-new paper texture. Together, PPC Flex and INX created a new texture using specially designed plates and ink to create a tangible effect. This effect makes the package more impactful and memorable than a typical Matte Varnish. It feels rough to the touch like a kraft paper in the areas that are printed to look like paper. Then, other areas remain glossy giving the package a beautiful contrast. Add that to this fantastic design and you have a great way to engage your customers with more than just sight. Now the feel of the bag makes an impression.



Kirkland Signature Ultra Clean HE Laundry Detergent Pacs

Company: FRESH-LOCK BY PRESTO PRODUCTS, Child-Guard

Category: Household

The challenge of getting Kirkland Signature® Ultra Clean Laundry Detergent Pacs product from a rigid tub to a fully recyclable, child-resistant pouch from idea to shelf in less than one year was a feat on its own. Costco desired a new packaging solution that was a better consumer experience in the areas of sustainability, transportation, and safety yet also needed to be more cost-effective than the current package, match the existing number of selling unit per pallet, and be fully commercialized in less than a year. The supplier partners needed to work together as one cohesive team to propel the project forward through the long list of obstacles including a global pandemic and often battled competing deliverables. The outcomes achieved through the successful supplier collaboration process were plentiful. The final package was an industry breakthrough in pouch size, performance, and shelf impact making this project truly special.

As a leading private brand, the Kirkland Signature team felt compelled to create a more sustainable package yet maintain the child-resistant benefits of the original, where it could make a meaningful impact and participate in store drop-off recycling programs. Making this a fully-recyclable pouch defined collaboration. Every supplier on this team was aligned to the common goal of creating a new package with secondary life as an outcome which met the performance requirements of the original tub. Costco has claimed consumers prefer the new packaging solution and sales have exceeded expectations.



Iron Fish

Company: Berlin Packaging, Studio One Eleven

Category: Alcoholic Beverages

Iron Fish is Michigan's first farm-based distillery, born on the waters of the Betsie River. Their Estate Series honors the natural resources that are at the heart of the distillery's origins. These high-quality spirits are made with grain grown on the property and pay homage to the nearby watershed, and its steelhead, that inspired the brand's name. When developing the packaging, Studio One Eleven's designers were influenced by the land, water, and people that are all part of Iron Fish's heritage. The custom design leverages the stock bottle shape of the distillery's other products, but with a taller, more slender silhouette for an elevated aesthetic. The designers incorporated a label inspired from 1940's vintage fishing licenses. The company's distinct steelhead logo is sculpted into the bottle as another premium detail, adding dimension and strengthening the brand equity. The final design reflects the distillery's regional roots and premium quality. While most brands use a package's label to feature their logo and showcase other iconic visual elements, the Iron Fish Estate Series bottle takes things one step further, extending the brand's visual equities to the bottle itself. The design and innovation team at Berlin Packaging's Studio One Eleven created a custom package that incorporates one-of-a-kind fish and scale etchings. Iron Fish's illustrative steelhead logo was modified for three dimensions and sculpted into the glass. The goal was for the fish to appear to be swimming in the bottle. This required several rounds of tooling modifications and sampling to ensure that the definition of the fish would be properly represented in the glass. Fish scales were also designed and sculpted into the bottle and developed in such a way to accommodate molding requirements.



Greenis Dispenser

Company: Dermalogica, Coradin

Category: Health and Personal Care

Innovation: Traditionally dosing droppers are heavy weight glass or multi-material. This new dropper innovation combines new dispensing and precise gesture for the consumer with more sustainable execution in an e-commerce friendly component.

Premium Aesthetic and improved ergonomics: Brand identity and quality perception have been maintained vs previous pack while making this pack more sustainable than the previous one. Side actuation offers more precise, intuitive and ergonomic gesture for comfortable dispensing.

Extra care on circularity and waste reduction: This pack is designed to be recyclable in PP Stream: - Dropper made at 97% from Polypropylene (PP) except the side actuation button made in TPE, compatible with PP recycling stream (3% in weight) as certified by independent Institute Cyclos. The inks used are non-bleeding, cover very limited surface, and respect EUPIA exclusion compliance as per Recyclers Associations latest guidelines.

Recycled content: Pack uses 75% Post Consumer Recycled plastic.

Plastic reduction: The number of components utilized for this package was minimized to 3 (cap, plug, body). The packaging weight has also been optimized reducing weight from previous pack by 18.6%. Design for e-commerce, the pack is resisting to tough distribution conditions reducing waste generated by damaged product during delivery. Consumer experience: the push button was designed on the side to improve the ergonomics of the application and increase accuracy. - Increase intuitive design. - Precise dosing (pressure control between 2 fingers like a pen) - Reduce consumer use damage (more robust button and intuitive gesture). Collaboration: Dermalogica, a Los Angeles based global brand teamed up with French manufacturer Coradin to work closely in very early stages to develop this first to market, innovative dispenser.



Instanyl DoseGuard Nasal Spray Device

Company: Takeda Pharmaceuticals, Aptar Pharma

Category: Medical and Pharmaceutical

The Instanyl DoseGuard is a novel electronic nasal lockout device developed by Takeda and Aptar. The Instanyl DoseGuard nasal spray primary packaging device has been developed to manage breakthrough pain in adults already using a controlled drug substance to control long-term cancer pain. The aim of the Instanyl DoseGuard is to safeguard patients and others from the risk of overdose, misuse, abuse, addiction, diversion, accidental exposure, and medication errors. Instanyl DoseGuard the first electronic nasal lockout device approved by a Notified Body and EMA for Takeda Pharmaceuticals International AG. It limits the number of doses a patient can take within the prescribed dosing regime and automatically locks after delivering two doses within an hour, thus preventing overuse and misuse. The number of remaining doses is displayed to assist the patient with adherence and has a child-resistant cap for added safety. The device has been validated for Human Factors in accordance with IEC 62336, confirming the ergonomic design is user-friendly for senior patients, with adequate finger-space, a color-distinguished nozzle, and an easy to hold overall grip. Aesthetically, the design semantics improve the mature drug administration to prevent and avoid potential misuse. The Instanyl DoseGuard demonstrates how a primary packaging device can be leveraged to address safety and regulatory issues responsibly for the benefit of patients and the community at large. It demonstrates the multifunctionality of an innovative new design, including the use of materials, manufacturing technology, and electronics to provide a new generation of device to an existing product platform. To minimize the carbon footprint, the product's fully recyclable packaging is printed digitally. A take-back program has been established for the Instanyl DoseGuard device to ensure efficient recycling. The Instanyl DoseGuard is a prime example of how design collaboration between pharmaceuticals, devices, and packaging can lead to innovative solutions that benefit patients.

Functional Screen Installation Package

Company: Plastic Ingenuity

Category: Electronics

With the goal to enhance functionality and sustainability, Plastic Ingenuity redesigned a Glass Screen Protection Installation Tool for OtterBox. The new design can be used on virtually all smartphone devices with greater accuracy than previous installation tools. Plastic Ingenuity transitioned an injection-molded tray made with 100% non-recyclable virgin material to a light-gauge thermoformed package using 100% post-consumer recycled (PCR) Polyethylene terephthalate (PET) material, which is also curbside recyclable. Additionally, the redesigned package reduced costs by almost 40%, resulting from the switch to thermoforming and a universal design that reduced SKUs and inventory requirements. The new, lightweight tray also helps improve package distribution and transportation efficiencies. OtterBox and Plastic Ingenuity applied creative thinking by introducing a thermoformed PCR installation tool. This new tool brought about a redesign of the product packaging, which aimed to provide clear instructions and improve the overall experience of screen protection installation. The thermoformed tool proved to be a technical breakthrough, allowing OtterBox to create a leading installation tool that could be used on a wide variety of smartphone devices with unparalleled accuracy compared to previous instruments.



Nestlé Purina and ProAmpac Partner to Progress Sustainability Goals with QUADFLEX® Recyclable Package

Company: ProAmpac

Category: Pet

Purina has committed to making its packaging more sustainable, aiming to have above 95% of its plastic packaging designed for recycling by 2025 while actively working to develop innovative solutions for the remainder of their portfolio. Purina is also working to reduce the use of virgin plastic by one-third by 2025. Purina partnered with ProAmpac to transition their PRO PLAN and PRO PLAN Veterinary Diets line from a multi-layer laminated box pouch to a mono-material recyclable package to support their ongoing sustainability efforts. ProAmpac's expertise in its QUADFLEX® quad-seal pouch technology and mono-material films, coupled with Nestlé Purina's expertise in product integrity and quality, created a win-win solution for the packaging industry with the new QUADFLEX® Recyclable. The patent pending mono-material used in the QUADFLEX® Recyclable structure is prequalified for store drop-off recycling programs through existing polyethylene recycling streams. In addition to enhanced sustainability characteristics for Purina, QUADFLEX Recyclable also performs on their existing filling machines at the same rate as the previous conventional pouch. Preserving machinability for the new laminate helped Purina transition to the recyclable film option with minimal impact on current infrastructure. QUADFLEX® Recyclable offers a premium look with optimal branding opportunities. This novel pouch offers four-side-seal and a flat boom to allow the package to free-stand when filled. Accordingly, the pouch gives Purina an elevated brand look with bold graphics printed using HD Flexography with an environmental benefit. In addition to stand-out graphic design, QUADFLEX Recyclable provides excellent barrier properties for grease and moisture, puncture resistance, and is recyclable in polyethylene recycling streams.

Pentel R.S.V.P. PaperBlister Package by Sonoco Alloyd

Company: Sonoco Alloyd

Category: Household

The Pentel® R.S.V.P.® PaperBlister™ retail ballpoint pen package made by Sonoco Alloyd® is one of the first to debut in the retail pen category to be entirely made of paper. The package serves as a 360-degree marketing billboard, delivering printed product messaging to shoppers while providing retail protection necessary in today's stores. With strong, tamper-evident seals, the PaperBlister provides brand security necessary for shipping, shelving and shopping.

Made entirely of renewable resources, the Pentel R.S.V.P. package is plastic-free, so it's recyclable in the general consumer curbside paper stream. Furthermore, by using existing Sonoco Alloyd sealing equipment, Pentel was able to retrofit their Alloyd Aergo 8 sealing machine to produce a new style of packaging, without the need to source, train for, or purchase costly capital equipment.

This product reimagines blister packaging and provides an eye-catching, easy, cost-effective way to move from plastic to all paper designs when using existing Sonoco Alloyd sealing equipment. The Pentel PaperBlister package consists of a flat front consumer-facing card made of 20-pt C2S SBS that is offset printed using four color process with one color, black, on the reverse. The paper cavity portion is a 14-pt SBS C1S that is offset printed in black only. Both portions of this package ship flat, meaning more parts travel per corrugate shipping box, pallet, and truckload. It is determined 3-times more PaperBlister cards can be shipped when compared to equivalent sized thermoformed plastic blister.





The **Venezuelan Packaging Association**, known as **CAVENVASE**, it's a civil association that works towards the interests of the packaging industry and it's related sectors in Venezuela. It was founded on August 25 of 1970, in Caracas, by 10 manufacturing companies. With 53 years of trajectory, we promote and defend the Venezuelan packaging industry.

CAVENVASE represents a transversal sector of the economy that generate intermediate products to guarantee the protection, transportation and consumption of goods, in every packaging subsector: plastic (rigid and flexible), cardboard and paper, metal, glass, raw materials, machinery, parts, equipment and related sectors.

Our association represents 40 companies in the packaging sector, 31 are direct affiliates and 9 are related companies, this encompasses 70% of the industry in Venezuela. Some of the companies that **CAVENVASE** represents are:

CAVENVASE is committed to the Packaging Community, therefore we offer a virtual and in-person training program, to promote specialized training in packaging trends and good practices.

Our packaging engineering training program has two major activities:

- ◇ **Monthly courses:** Virtual workshops specialized in packaging engineering. **CAVENVASE** carries out 9 courses annually and trains more than 200 participants.
- ◇ **Boot Camp in design, development and technology of packaging:** This Diplomat aims to form professionals who develop in the packaging area, covering aspects from graphic design, structural design, materials management and their relationship with the environment.





Red Ginseng Vital Tonic Booster box

Company: KGC(KOREA GINSENG CORP.)

Country: South Korea

JUNG KWAN JANG is representative red ginseng brand nationally and internationally that aims to lead change of the market by improving user convenience and developing eco-friendly packaging techniques

- Double formulation packaging that allows you to take in liquid and tablets at once
- Increase recyclability by organizing packages in paper only
- Reduce Packaging material usage by 45% and lose 28 tons per year
- Minimize packaging space ratio by applying compact structure
- Paper carriers are applied inside the luggage box for easy movement and storage

1. Double Formulation Packaging - Double formulation packaging that allows you to take in liquid and tablets at once - Design registration(30 – 1192705) 2. Packaging Structure Optimization - Minimize packaging space ratio by removing unnecessary packaging materials 3. Openability - Improving the opening strength by applying half-cutting to the bottom of the metal cap 4. Recyclability - Structural design to facilitate separation of metal caps and plastic caps 5. Ease of use and displayability - Paper carriers are applied inside the luggage box for easy movement and storage



SRI LANKA INSTITUTE OF PACKAGING

DEVELOP | FACILITATE | RECOGNISE

Established in 1967 with the backing of the Government of Sri Lanka, the Sri Lanka Institute of Packaging serves as the nation's representative body for the packaging industry. Our primary objective is to enhance packaging standards across Sri Lanka. Functioning as a unified voice for the industry and its stakeholders, we actively promote collaboration and synergy to drive packaging development through educational programs.



Our overarching goal is to unite all sectors of the industry, offering a platform to showcase accomplishments & honor the significant contributions made by both organizations and individuals.

With affiliations to esteemed organizations such as the World Packaging Organization and the Asia Packaging Federation, our institute is dedicated to fostering the holistic growth of the packaging industry. We aim to expand individual knowledge, facilitate networking opportunities on both local and global scales, and commend outstanding achievements in the field.



EDUCATION

Annual Packaging Congress

Packaging Workshops
WPO Endorsed

Certificate Training Course
in Packaging Technology

Diploma in Packaging Technology
Endorsed by the World Packaging Organization

Our Institute offers WPO approved programs with lectures held in Colombo. Our courses provide a journey of discovery and innovation, spanning from theory to hands-on experience.

Covering the latest trends, sustainable practices, and cutting-edge technologies in the packaging industry, they are essential for any aspiring individual seeking a future in packaging.



The Sri Lanka Packaging Awards stands as a pinnacle of excellence, celebrating innovation and mastery within the packaging industry on a national scale.

Each year, this prestigious competition showcases the finest achievements in packaging design & functionality.



The Lankapak Exhibition is meticulously crafted to spotlight the latest innovations in packaging, fostering meaningful interactions among stakeholders.

Beyond mere sourcing, this platform encourages a deep understanding of the industry's cutting-edge advancements. This year, our primary emphasis lies on environmentally sustainable packaging, highlighting the pioneering efforts of numerous industry leaders.



KOi Foaming Handwash Starter Kit and Refillable Tablets

Company: Coles Group

Country: Australia and New Zealand



With only 50% of the 6 million tonnes of packaging put on to the market in Australia being recycled, reusable alternatives are critical to reducing single use packaging. As one of the largest retailers in Australia, Coles know that their customers are continuously looking for ways to reduce their use of packaging. To help reduce single use packaging and support the transition to reusable models, Coles worked with their suppliers to develop the innovative KOi Foaming Handwash Starter Kit and Refillable Tablets. The tablet is the handwash and can be simply added to the packaging in the household using tap water. The refillable format helps to eliminate problematic and single use plastics and meet the 2025 National Packaging Targets for the region. If all purchases of the KOi Handwash liquid bottle transitioned to the refillable bottle, Coles would save 250,000 bottles or 14 tonnes of single use plastic each year. A customer facing reuse system provides a range of sustainability benefits. Key achievements and notable outcomes include: Reduction of single use plastic: the PP wrap and cardboard box used for the tablets is approximately 85% lighter than a traditional single use handwash bottle. To provide further packaging reductions, the tablets in the Starter Kit are unwrapped inside the bottle. Reduction of virgin plastic: The bottle has been designed with 30% recycled HDPE, reducing the use of virgin materials in manufacturing (and 10% above the target set for the region). Optimised transport efficiencies: The tablet packaging is smaller and approximately 85% lighter than a traditional single use handwash bottle, reducing overall pallet weight by 47% and increasing quantity of cartons per pallet by 38%. Consumer labelling - The pack clearly displays the Australasian Recycling Label (ARL) to help customers dispose of the packaging correctly and ensure optimal recovery. home compostable certified by TUEV Austria



Mary Cohr

Company: Edelmann Group

Country: Germany

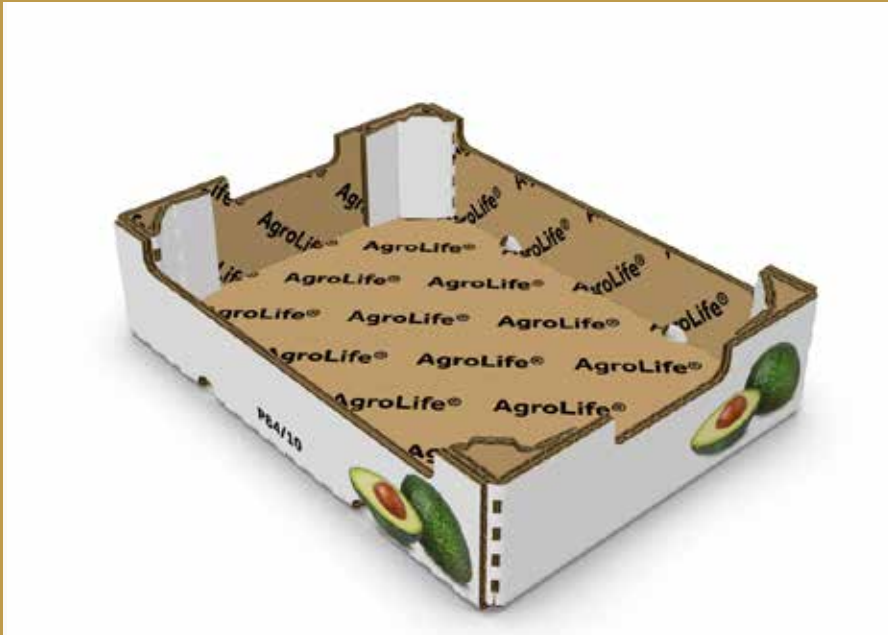


Previously, premium beauty products packed in folding cartons were wrapped in transparent film for protection and tamper evidence. However, new regulations on plastic reduction prompted Edelmann Group to develop this innovative tamper-evident cartonboard solution. The challenge for the designer was to enhance shelf appeal, be compatible with filling machines and offer tamper-evident protection. This ingenious pack, created with Sappi Deutschland virgin fibre cartonboard, features two side flaps for closing, an additional flap, and a lid with a tuck-in flap.

The additional flap features a black dot, while a side flap displays a green dot. After the first opening, the additional flap is torn off, revealing the green dot. When the packaging is closed again, the green dot on the side flap becomes visible. This eliminates the need for film wrapping

Eliminate film wrapping for perfumes and high-end cosmetics in folding boxes. Reduction of plastic consumption in general. Filler and end consumer only have the mono-material cardboard. The folding box has an additional flap and a lid with a tuck-in flap. Finger hole and additional flap are provided with sensitive holding points which are destroyed after the 1st opening. The additional flap is printed with a black dot, the side flap with a green one. After opening, the additional flap is torn off. Green dot becomes visible through the lid. Jury: The highlight is the carton board tamper-proof seal, something that we have never seen before. It is a convenient, simple, and environmentally conscious method for consumers and retailers to see if the pack has been tampered with. Ingenious in its kind, it will change the future of tamperproof packaging and remove the need for non-recyclable packaging





AgroLife®

Embalaje para transporte de frutas y verduras con tratamiento superficial interior.

Absorbe el etileno producido por frutas y verduras frescas durante el tiempo que permanecen en la cadena de suministro.

100% apto para contacto alimentario

Apto para aquellas frutas y vegetales que producen y/o son sensibles a la presencia de **etileno**, alarga su ciclo de vida útil y periodo de consumo tras la cosecha

Retrasa la maduración de frutas y verduras, reduciendo el riesgo de las mermas

Sistema de **packaging integral**, sin posteriores manipulados

100% reciclable y biodegradable

Evitando pérdidas en la cadena de suministro, mejora la calidad al permitir retrasar el tiempo de cosecha del producto

Ideal para la exportación de productos con una **larga cadena de suministro**

Mejora la gestión del tiempo de recolección

AgroLife®
Company: Smurfit Kappa
Country: Spain

This solution is perfect for fresh products such as fruits and vegetables that experience accelerated deterioration during the supply chain due to exposure to ethylene gas. Ethylene gas is naturally emitted by certain fruits and vegetables and can speed up the ripening process, leading to shorter shelf lives. This solution effectively absorbs this gas, slowing down the ripening process and extending the product's shelf life by up to 50%. By ensuring that the product reaches its destination in better-than-expected condition, it guarantees that consumers receive fresh, high-quality product. As a result, significantly less product waste is generated, making it an environmentally responsible choice. In Spain, where approximately 7.9 million tons of fruits and vegetables are wasted annually, this solution plays a crucial role in reducing food waste. This makes it not only a practical choice but also an environmentally responsible one, contributing to the reduction of food waste and reducing the carbon foot print





CRYOVAC Darfresh Mono-PET rollstock for JBS Swift Lamb Cutlets and SEE

Company: SEE (formerly Sealed Air) and JBS

Country: Australia and New Zealand

Simple in design and delivering on-shelf premiumization, JBS' heritage Swift brand of Lamb Cutlets leverages packaging that signals simplicity, sustainability, product quality and safety, and brand trust, addressing key needs of the competitive fresh protein market, and eco-friendly shoppers. It not only delights consumers delivering fresh, quality Australian lamb, the recyclable* CRYOVAC brand Darfresh Mono-PET rollstock pack helps food-chain stakeholders meet their sustainability goals. Challenges including food and packaging waste are addressed by extending shelf life and freshness up to 18 days, and through material choices that can be recycled via household kerbside collection programs or soft plastics return to store collection programs. Compared to Modified Atmosphere Packaging formats used for fresh lamb, CRYOVAC Darfresh vacuum skin packaging advances shelf life from 12 days up to 18 days, eliminating thousands of absorbent pads from landfill. This innovation demonstrates how holistic, efficient packaging design can drive better environmental and economic outcomes.

Darfresh Mono-PET rollstock incorporates key ANZ Sustainable Packaging Design criteria and delivered the following : The entire Darfresh Mono-PET pack is recyclable, resulting in more than 60,000 kg of Mono-PET bottom web now able to be recycled through kerbside collection recycling programs and the lid film is recyclable through soft plastics return to store collection programs. This packaging solution replaces a heavier gauge non-recyclable PET/PE format, resulting in a packaging reduction of 5,000kg per annum. Unlike Modified Atmosphere packaging which requires headspace, the tray is right sized for the profile of the meat cut. By eliminating headspace the right sized pack delivers enhanced packing efficiencies, which benefit downstream processes efficiencies for transportation/logistics and better shelf utilisation at retail. For consumers, the easy open tear tab allows for greater accessibility and knife free access to the product, while the convenient freezer ready format facilitates less food waste in household.



TissueWave
Company: Smurfit Kappa GmbH
Country: Germany

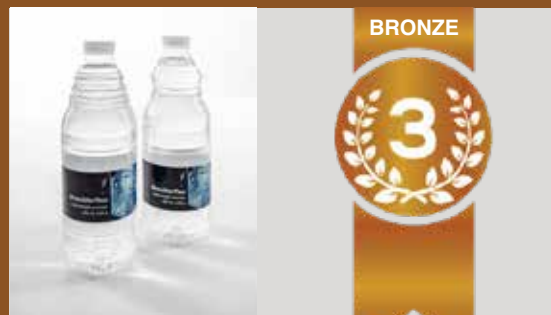
Shock-sensitive products are often packed in shipping packaging consisting of a paper-based cover with a glued insert made of plastic-based foam padding or bubble foam. According to a study by the German Consumer Initiative, packaging made of several materials is hardly ever separated by consumers.*

The vision to replace the foam with a 100 % fibre-based alternative emerged from the standard market solution. Two years of development have resulted in tissueWave. The primary material for tissueWave is a soft, mouldable cellulose. The embossed cellulose is formed into a corrugated shape, fixed and finally glued into the envelope. The innovative construction, which resembles corrugated cardboard, can be used as cushioning padding protection for sensitive products of all kinds. The entire packaging can withstand multiple loads and can simply be disposed of in the paper bin after use, without additional separation of the materials. tissueWave, the sustainable application for foam!



Paperfloc Eco
Company: easy2cool GmbH
Country: Germany

Our innovation «paperfloc eco», a paper-based insulated packaging, is revolutionizing the e-commerce packaging market for the shipment of goods that require chilled shipping. As the e-commerce market for chilled goods is steadily increasing, our goal was to find an environmentally friendly insulation material that could serve as a sustainable alternative to expanded polystyrene (EPS). Our solution: cellulose fibers made from recycled waste paper. Our proven paperfloc technology ensures that food stays well refrigerated during shipping and thereby eco-friendly and easy to recycle. Our sustainable alternative is mainly used for shipping fresh and frozen food (e.g. meat, fish, vegan alternatives, ready-meals or desserts). Our customers rely on the high-performing insulation, which not only can be seen as social benefit for the B2B customer, but also offers a eco-friendly solution for their end consumers for disposal. On the occasion of the Innovation Day for Medium Sized Companies (SMEs) 2021, easy2cool GmbH was honoured by the German Federal Ministry for Economic Affairs and Energy (BMWi) as ZIM Cooperation Project of the Year for the development of the ecological paperfloc insulating packaging.



Shoulderflex Lightweight PET Bottle 5,95g
Company: Kronen AG
Country: Germany

Technical edition of „ShoulderFlex“ A (filled) top-load of over 40kg at a bottle weight below 6g (500ml PET-Bottle) without N2-pressure, is unrivaled. -Up to 50% saving in PET Material compared with commercially available 500ml bottles. -No Nitrogen dosing necessary. -Typically, lightweight bottles struggle with “turtle necks” (collapsing bottles).-A unique bottle shape with the integrated flex-area which absorbs the (Top-) load. This flexible area generates an overpressure while its compressed. This overpressure creates additional stability and improves stackability. -Large parts of the world suffer from water shortages and unsafe water supply systems. After breathing, drinking is our most important basic need. A global trend is the development towards increasingly mobile lifestyles that include drinking “on the go”. - Our development focuses on meeting these needs in a resource-saving manner. Lower bottle weight means lower CO2 footprint! -The challenge in this field is not the production of containers that are as light as possible, but of containers that are as light as possible and can also meet practical requirements. This solution fulfills standard market requirements even without the frequently used internal nitrogen pressure, i.e. even more efficiently and with less effort. -A (filled) top-load of over 40kg with a container weight of less than 6g (bottle, PET) and that without N2 internal pressure was previously unattainable!!





Ready to Bake and Eat!
Company: THIMM
Country: Czech Republic and Slovakia

Our solution has been developed for an elegant, practical and sustainable product presentation at the Makro Gastro fest. The mould is used both for baking and for subsequent consumption of Romadur cheese. The mould was made of the foodWave® | heatproof corrugated cardboard, which is suitable for direct contact with food and for use in conventional or microwave ovens. This elegant solution ensured perfect product presentation and brand visibility throughout the event and consumption of the product. The entire mould was transported flat and folding it is very quick and easy. Thanks to this practical mould, the capacity of the staff at the event could be reduced, fewer dishes were needed and time and water for washing them was saved.

tectus@ambalaza.hr
www.ambalaza.hr
www.adriastarpack.org



Adria Star Pack

Award for the best packaging in the Adria Region

Adria Star Pack Competition

Awarded by the Croatian Institute of Packaging and Graphic Arts Tectus, Adria Star Pack builds on the 20-year legacy of CroPak and RegPak awards. This regional competition honors the best packaging solutions, emphasizing the critical role that well-designed packaging plays in various aspects.

The Competition's Focus

Adria Star Pack aims to raise awareness of current packaging trends in marketing, functionality and sustainability. This empowers companies in the region to stay competitive globally by aligning with international standards and regulations for packaging. Ultimately, the competition seeks to elevate the competitiveness of regional products on the world stage.

Recognized by WPO

Adria Star Pack is fully recognized by the World Packaging Organization (WPO). Winners gain the exclusive nomination right for the WorldStar Packaging Awards, a prestigious competition offering international exposure and recognition.

ABOUT US

Institute of Packaging and Graphic Arts Tectus (iatT) was founded in 2001 in Zagreb, Croatia.

Our Mission

Knowledge Transfer: Bringing the latest knowledge, information and technology from leading markets to our region.

Global Recognition: Promoting the packaging and graphic design expertise of regional countries on an international scale.

Business Growth: Supporting economic activity and fostering stronger business partnerships between regional and international companies, institutions and organizations.

Global Collaboration: We work with renowned experts, institutes, and educational institutions across the region and worldwide.

Our Activities

Adria Star Pack Awards: Organizing and presenting the Adria Star Pack award.

Industry Events: Organizing conferences, workshops, symposiums and forums led by experts in the field.

CROPAK

Evolution of CroPak & RegPak into Adria Star Pack

REGPAK





Show-Box
Company: INTPACK
Country: Ukraine

Show-Box is based on the philosophy of the manufacturer of acting chocolate Wander: «There is always room for miracles in the world. You just have to be able to see them». The box has 4 faces (lozenges for candies) that resemble the 4 directions of the world, symbolizing a compass. The 4 faces of the box open, demonstrating new tastes and gastronomic discoveries, giving pleasure and new impressions. Premium packaging can and should be ecological, convenient and ergonomic. This is a box for author's chocolate, which is able to impress on a par with the product.

The packaging looks simple from the outside, but just open it and the show starts. The box “blooms” with all its 4 sides, presenting each side in a winning light.

The packaging reliably stores the product, allows you to present it in a window, as well as to use it when serving and tasting the product. Will look great at family tea parties, buffets and parties. The box allows you to place a large set of candies, if necessary, it is possible to select 4 different collections. Eco-friendly – made from European binding cardboard and design paper, which enables 100% recycling. If necessary, after its intended use, the box can be reused, for example to store wonderful little things. Let's decorate our life, preserving the environment for future generations. Manufacturer of exclusive handmade chocolate and sweets Wander.



Malak Beer
Company: The Three Brothers
Country: Lebanon

The Packing of the Malak Beer reflect the new age life style to be introduced to the market. Malak Beer's award-winning packaging design is a testament to creativity and personalization. It brings the Malak family's story to life and resonates with a young, hip audience.





WORLDSTAR GLOBAL PACKAGING AWARDS **STUDENT**



INTERNATIONAL RECOGNITION **FOR STUDENTS**

Open for tertiary and collegiate-level student entries that have already won an award in a recognised national or regional competition for students

Closing Date 1st November 2024

2025 Entry is Open
www.WorldStarStudent.org

STUDENT WINNERS 2023

THE WORLDSTAR STUDENT AWARDS COMPETITION IS OWNED AND PRODUCED BY THE WORLD PACKAGING ORGANISATION

A complete lists of all the winners and certificates awarded for the 2022 awards is available on the WorldStar Student Awards website accessible via the WPO website – www.worldpackaging.org.

WorldStar Student Awards are awarded as follows: the top three (3) overall Gold, Silver and Bronze trophy winners are named as the WorldStar Student Winners and receive WorldStar Student Winner certificates and trophies; they are also invited to the WorldStar Industry Presentations. If you have any queries or require additional information, please contact Bill Marshall, email: secretary@ipsa.org.za



**WORLDSTAR
GLOBAL
PACKAGING
AWARDS
STUDENT**

GOLD AWARD WINNER (1ST OVERALL) SUSTAINABILITY SILVER AWARD • SAVES FOOD BRONZE AWARD • BEST IN FOOD GOLD AWARD

ENTRY	Alpha Biopac - Packaging For Effective Storage & Transportation In The Supply Chain - Target Smoked Fish		
ENTERED BY	TEAM: Akyaa Edna Amo-duah, Barthelomew Nyarko, Naa Adoley Maxine Allotey-quist		
EDUCATIONAL INSTITUTION	BSc & BA Kwame Nkrumah University of Science & Technology Kumasi		
MARKET CATEGORY	Food	COUNTRY	Ghana



PROJECT DESCRIPTION:

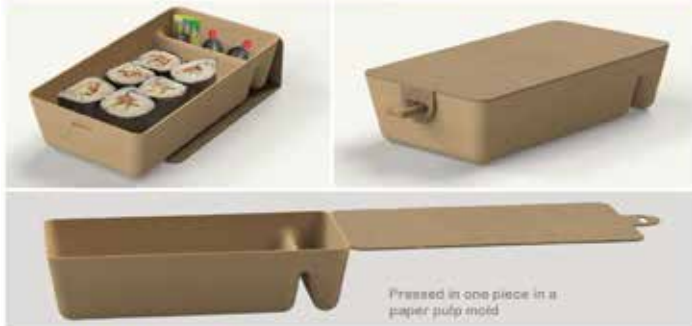
Alpha Biopac is a rectangular, robust box made from water hyacinth fiber board. It's intended for packaging smoked fish. It incorporates perforations for breathability Interior parchment paper lining prevents fish from adhering to the box's surface and deters pest. Corner reinforcements help to withstand weight and pressure when stacked.

Poor packaging is a contributing factor to quality loss, reduced shelf life and loss of smoked fish during storage and transportation. Alpha Biopac is a sustainable package intended to address this challenge. It is reusable and convenient for storage and transportation. The paperboard is made from water hyacinth stalks made up of long, narrow fibers that are intertwined. These fibers are strong, flexible, and durable, making them ideal for fiberboards to produce the package. Alpha Biopac is environmentally sustainable, help reduce plastic usage and promote eco-friendliness through its natural biodegradability. It will extend the shelf life of smoked fish and thus reduce food waste and enhance food safety by minimizing the risk of harmful chemicals from certain types of plastics. Harvesting water hyacinth to manufacture paper packaging materials will help to control the spread of this invasive plant that has become a menace globally, clogging waterways and disrupting ecosystems. The package design makes it convenient along the supply chain in terms of filling the package with the smoked fish. Closing and opening can be done easily by tying or untying the top flaps. The handles make it convenient to carry. It has a sturdy, stable structure. The exterior is coated with bees wax to resist moisture and puncture. The label will have instructions such as ensure fish is dried enough before packaging, do not package fish with defects together with good quality fish to prevent cross contamination. keep Alpha Biopac away from moisture and harsh weather



**SILVER AWARD WINNER (2ND OVERALL)
SUSTAINABILITY GOLD AWARD
BEST IN FOOD SILVER AWARD**

ENTRY	Sushi takeaway packaging		
ENTERED BY	Jeremy Marchant		
EDUCATIONAL INSTITUTION	University of New South Wales		
MARKET CATEGORY	Food	COUNTRY	Australia



PROJECT DESCRIPTION:

The Sushi Takeaway packaging has been designed with renewable materials that are certified compostable to Australian standards. The pack is stackable, has a lockable lid and storage for chopsticks. The pack will eliminate single use plastics and meet the 2025 targets.

The renewable material recyclable packaging has been designed as a mono material pack that not only eliminates problematic single use plastics but is also a more sustainable alternative for the sushi takeaway market. I would like to eliminate SUP plastics, remove the rubber band that seals the packaging and make the new design mono material recyclable.

- Customer Value Proposition
- Stackable in large amounts
- Doesn't spill
- Has a section for sauces
- Easy to hold with hand groove
- 100% biodegradable
- Recycled materials
- Lockable Lid
- Storage for chopstick

**BRONZE AWARD WINNER (3RD OVERALL)
MARKETING APPEAL BRONZE AWARD
HEALTH & PERSONAL CARE GOLD AWARD**

ENTRY	Sun Ease		
ENTERED BY	TEAM: Joel Flores, Eva Lee, Katie Cannon, Coby Chuang & Emma Wanon		
EDUCATIONAL INSTITUTION	California Polytechnic State University		
MARKET CATEGORY	Health & Personal Care	COUNTRY	United States



PROJECT DESCRIPTION:

Sun Ease reimagines sunscreen packaging with an innovative carton-in-carton technology that eliminates hard-to-recycle plastic packaging while engaging kids through educational experiences. Sun Ease: The future of sun protection and environmental responsibility, all in one.

Traditional sunscreen products use different plastic packaging forms that may be challenging to recycle. These approaches include multi-layer extruded tubes, extruded-blow molded containers, and injection molded closures. Sun Ease proposes to replace these unsustainable approaches with a revolutionary paper-based solution that uses two cartons (i.e. carton-in-carton technology). The inner carton is a traditional form-fill-seal paperboard pouch, and the outer carton is a conventional folding carton.

The system has the following features:

- Made of paperboard. The inner carton uses coated paperboard for moisture barrier.
- Uses existing manufacturing technology.
- All components ship flat, thus improving shipping efficiency.
- Can be used for cream, ointment, and gel products.
- Provides excellent front panel visibility to enhance shelf impact & product identification on the store shelves.
- Easy to carry in a backpack.
- Easy to open and reclose by a kid.
- Easy to squeeze.
- Provides fun engagement through UV stickers. UV stickers let the user know when to reapply sunscreen.
- Provides space for educational information on how to use the product.



CAPTURED MOMENTS FROM WORLDSTAR 2023 AWARD CEREMONY IN DÜSSELDORF



APPLY FOR WORLDSTAR 2025 TO GET YOUR GLOBAL RECOGNITION



WorldStar Awards 2025

Open for Entry **10 July 2024**
Deadline **15 October 2024**
Judging **November 2024**

Apply online www.worldstar.org

 @WorldStar Awards



Soha Atallah
WorldStar Coordinator
WPO Vice President, Marketing
s.atallah@worldpackaging.org
The WorldStar Awards are administered
on behalf of WPO by LibanPack,
Lebanon.



The 31st International Processing and Packaging Exhibition for Asia

PROPAAK ASIA

12-15 JUNE 2024

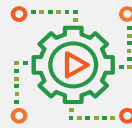
BITEC | Bangkok, Thailand

Empowering Sustainability

**Processing & Packaging Success
with Ideation, Innovation, Investment**



Meet
2,000+ Exhibitors
around the world



Discover the
latest technology
and **innovation**



Explore a regional
networking opportunity



Learn
new industry trends
and **insights**

For more information

PropakAsia.com



@ProPakAsia

**REGISTER NOW!
FOR FREE**



Organised by:



Sustainability | Our efforts recognised:



Event Sustainability
Standard:



Endorsed by:

