



# Pack The Future 2023

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**interseroh**   
Die Recycling-Allianz

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PROCESSING & PACKAGING



# Recycling

# Winner EcoDesign

**ADAPA DACH GmbH**

Innovation: **VACUshrink(re)MEX55**

<< The certified recyclable PE-based shrink bag VACUshrink(re) MEX 55 with EVOH high barrier is suitable for fresh and processed meat or non-fermenting and ripened cheese. It does not contain PA layers or PVdC barrier and is manufactured without crosslinking.

By using a three-dimensionally stretched polyolefin structure with a film thickness of only 55 µm, adapa has succeeded in meeting the high demands for product protection and processability and combining these with greater sustainability: VACUshrink(re) MEX 55 scores with excellent mechanical properties: it can be easily processed on standard packaging equipment and has good puncture resistance. The shrink bag is fully recyclable according to the CEFLEX Design for a Circular Economy Guideline, and its recyclability has been certified with 18/20 points.>>



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# Winner EcoDesign

## ALBEA SERVICES

### Innovation: **EcoFusion PCR ThinWall**

<<To have a big impact in weight reduction, Albea removed one component by fusing the head&cap leading to the EcoFusion Top design, thus clearly illustrating the efforts in reducing plastic consumption. Reducing weight is the top priority and EcoFusion Top +Thin-Wall 350µm sleeve vs standard cap+head+sleeve leads to a weight reduction of 55%. EcoFusion Top by its own only weights 2.4g vs 12g for the standard head+cap.

Moreover, the solution is made from 100% PE making the tube recycling-ready in HDPE streams and integrates 41% recycled plastics (PCR Max with 70% r-HDPE in the sleeve). Apart from the design, this innovation is a breakthrough in production process thanks to the ability to combine it on both extruded & laminate tubes.>>



# Winner EcoDesign

## APTAR BEAUTY

### Innovation: **The Body Shop shower gel**

<< Aptar Beauty's fully recyclable, mono-material pump, Future, is a game changing solution on the journey to a circular economy. Traditional pumps may contain different materials, including PP, POM and a metal spring that impact the recycling process.

The Future pump is made from 100% Polyethylene (PE) including a fully plastic pump engine. Because of this, it aligns with the most common recyclable materials: PE and PET. The full package, including pump and The Body Shop's PET bottle can be recycled intact. Future is recognized by several industry certifications including the Association of Plastics Recyclers Meets Preferred Guidance Program, RecyClass, a cross-industry initiative focused on harmonized recyclability, and Cyclos-HTP.>>



# Winner EcoDesign

## LEYGATECH

### Innovation: **LT clear 515R**

<< The special feature of this product is its structure: EVOH/PE/EVOH, i.e. the EVOH layers are external, surrounding the polyethylene (PE) layer. This film provides high thermal resistance, very good optical properties and of course a gas barrier. If laminated to another PE film, it allows converters to produce single-material PE bags or lids.

LT 515 is ideal for printing, coating or sealing. It is ideal for substituting PET/PE or OPP laminates. Most importantly, this film is part of our circular economy range as it is 100 % recyclable in the existing recycling stream.>>



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### PROFOL GmbH

Innovation: **CPPEEL®**

<< CPPEEL® film solutions are based on the use of polypropylene (PP) and are fully recyclable. The peelable film is very versatile and seals reliably on various materials.

In contrast to the existing aluminium/PP combination, a polypropylene cup sealed with CPPEEL® is 100% recyclable. In addition, CPPEEL® requires 92% less energy to produce than aluminium blanks. In addition, the sealing temperature is up to 100°C lower, so less energy is required. Another important feature for retailers is the puncture resistance of CPPEEL® blanks.>>



# Product

# Protection



# Product Protection

## Bischof & Klein SE

### Innovation: TacFlex® 900

<< Adhesive-free and therefore fully recyclable, yet still strong in adhesion, resource-saving, climate-friendly - and now also available with 30% recycled content.

Plastic sheets require reliable protection of the surfaces during transport and storage up to various processing steps by means of suitable, low-stain films. Until now, the adhesion values could only be achieved with adhesive-coated films. A special formulation in the sticky layer considerably expands the range of applications for adhesive-free films. In addition, there is no longer any risk of adhesive residue on the customer's high-quality plastic films, and the end customer can use the sheet without any cleaning effort or loss of quality.

elipso

Les entreprises de l'industrie  
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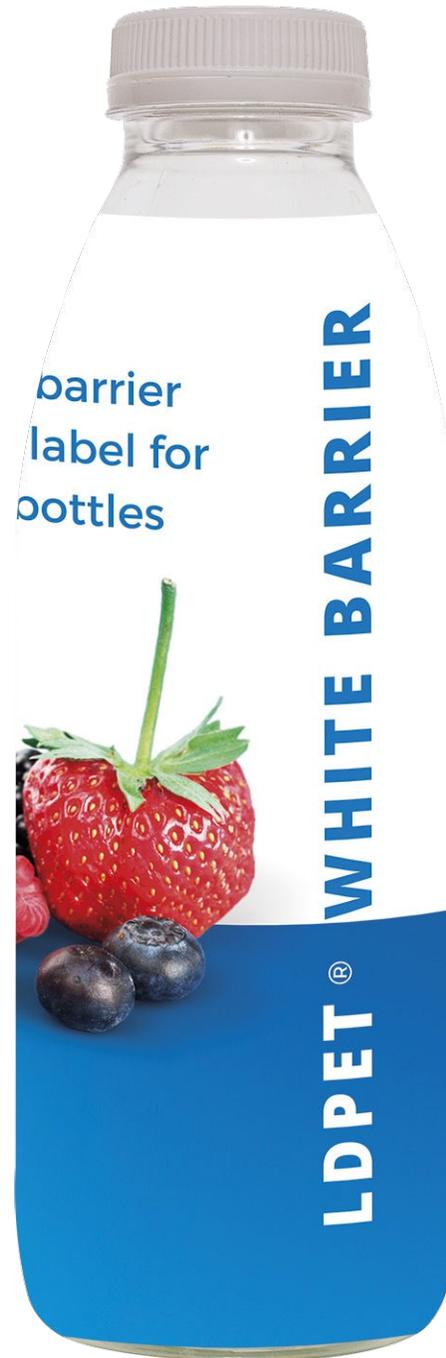


# Product Protection

## SLEEVER

### Innovation: **LDPET White Barrier**

<< Innovation dedicated to liquid and solid food marketers (beverages and dairy products) LDPET White Barrier is compatible with all stages of closed-loop PET recycling for an excellent quality RPET: It offers a PET optical signature during sorting. This low density film separates from PET by flotation (density less than 1g/cm<sup>3</sup>). The inks used, without bleeding, guarantee non-contamination of the recycling paths. With its excellent opacity and whiteness, it offers an effective light barrier.>>



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# Consumer

# Benefit

# Consumer Benefit

## BISCHOF & KLEIN SE

### Innovation: U-Pack® FFS

<< The new U-Pack® FFS solution transfers the advantages of single sack production to rollstock. The U-Pack® FFS can be equipped with Stabilo seams, a resealing system and a high-quality carrying handle. The longitudinal seam that interferes with the print image is also eliminated by this process.

All the features mentioned are already integrated in the roll. The customer/filler can process the film on the existing line at the same machine speed. There is no need to invest in additional units for handles. In addition, the product is up to 98 % recyclable and can be produced with up to 45 % PCR content. Only printing inks and adhesive are deducted in the evaluation.>>



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# Consumer Benefit

## BERICAP & easyconnect Working Group

### Innovation: Transfersystem easyconnect

<< The closure is part of the easyconnect closed transfer system, which makes the filling of liquid crop protection products more efficient and safer. Used with the coupler, the system saves time and effort when filling the syringe and reduces the user's risk of contamination by a factor of >50 compared to the previous filling method. For emptying, the coupler opens the easyconnect lid and closes it again leak-proof through an innovative mechanism. Benefits: Convenient & fast transfer (1 L/s transfer speed). Reduction of contamination risk for the user & the environment with the possibility of exact dosing. Screw cap remains on the canister and does not need to be screwed on or off by hand. Integrated rinsing of the canister & the lid.>>



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# Reuse



# Reuse

## KNAUF

### Innovation: **BEAM®-Packaging**

<< Packaging made from a single material, expanded polypropylene (EPP). Weight saving compared to the previous solution: 34% lighter than the cardboard solution (i.e. 2.6 kg of resources saved per robot) and up to 80% lighter than the flightcase solution. Easier storage on the racks. 100% reduction in the rate of non-quality related to packaging. Made with 25% recycled material and 100% recyclable at the end of its life.

An innovation that improves the protection of the contents from filling to the end consumer, No or little damage to the contents, integrity of the packaging throughout the product life cycle (e.g. mechanical strength, puncture resistance, impact resistance, optimised transport and storage of the products (e.g. better stackability, dosing, etc.).>>



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SPECIAL

AWARD

# Special Award: Vision

## SIDEL

Innovation: **SKIN**

<< 1SKIN™ is a stylish, minimalist 1L container for sensitive beverages that creates distinctive, sustainable brand positioning. It is designed to embrace the new circular economy, achieve a low carbon footprint and open the doors to new, digital communication levers.

1SKIN™ features an eco-friendly tethered cap and ensures high performance while preserving product shelf life with just the right weight of 100% recycled PET. By replacing virgin with recycled PET, 1SKIN™ also lowers CO2 emissions 5 times over. Its no-label design reduces its primary packaging weight by 10% too. And while leveraging a look and finish that is similar to glass, 1SKIN™ offers premium, sustainable packaging with 10 times less CO2 emissions.>>



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# Special mention of the jury

## PEKU Folien GmbH

### Innovation: PE-Kordelzugbeutel – 100% recyclebar

<< PEKU has developed the utilitarian and widely used drawstring bag into a one-material product. The previous cotton cord has been replaced by an LDPE cord. The function remains the same with the PE cord: the simple closing, opening and fastening of the bag with the cord enables safe multiple use and keeps the packaged product hygienically clean. Bag and cord are made of one material and are therefore 100% recyclable after use.

To ensure that the PE cord does not weld itself to the PE bag during the sealing process but can move freely in the bag seam as before.>>



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Special Mention  
**Design for Recycling**

Awarded to

**PEKU Folien GmbH**



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