



PACCOR

**THE FUTURE OF DAIRY
SOLUTIONS**

OUR PRODUCT COMMITMENT

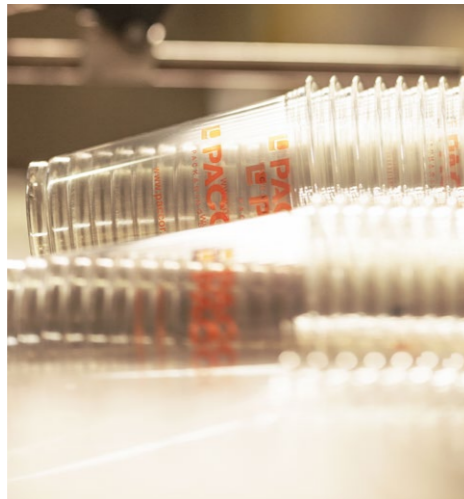
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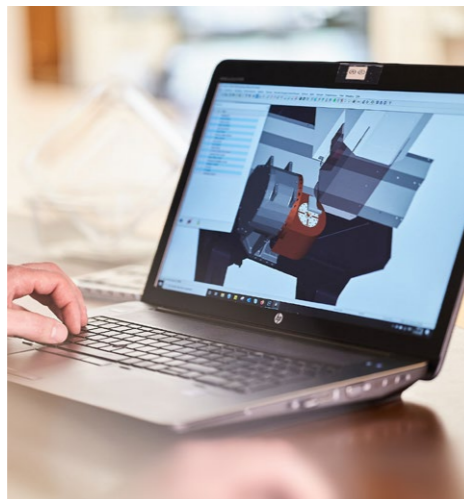
YOUR PARTNER FOR PROTECTION

We create innovative packaging solutions with the overall goal of protecting our partners, their products and our planet.



CO-DEVELOPMENT PROCESS

From idea generation to product delivery - we offer our customers comprehensive advice.



OUR TECHNOLOGICAL EXPERTISE

Thanks to our great expertise in manufacturing processes and decoration, we can cover every need of our customers.



OUR PORTFOLIO EXAMPLES

For our customers' dairy products we offer a wide range of flexible, individual solutions for cups, containers and pots.

FOREWORD

BRINGING IDEAS TO LIFE

In order to offer high-performance, flexible solutions for the dairy market that protect our customers' products and provide real added value, our experts work daily on new, sustainable technologies together with our customers, partners and suppliers.



Our mission is to develop and offer sustainable, high-quality packaging solutions, while protecting our customers' products with state-of-the-art solutions. In doing so, we guarantee food safety and respect the health, safety and rights of all persons involved. Our dedicated packaging expert team of designers, engineers, testing specialists and marketers are constantly working to find and promote new innovations. We focus on both the form and function of our packaging solutions.

Whether yoghurts, desserts, protein snacks, ice cream or cheese - milk-based products have special needs and requirements in terms of temperature, shelf life, light and oxygen protection. Although we offer a large standardised portfolio, many products require an individual packaging solution due to their special properties. When developing a tailor-made solution for our customers, we pay attention to a co-development process with holistic consulting, fit-to-purpose development and a fast market introduction - from idea generation to packaging supply.

In our Centre of Development and Innovation (CDI) in Zell, Germany, and Stanley, UK, our experts are constantly working on new technologies so that we can offer our customers a wide range and endless combinations of different types of packaging, shapes, raw materials, technologies and decoration options. The lightness and durability of the materials we have developed in recent years make them inherently more sustainable than most alternatives. By increasing the proportion of recycled materials used in new products, continuous process improvements and new delivery methods, we contribute to the well-being of people and our planet.

Helmut Ruland, Chief Operating Officer

PROTECTING YOUR PRODUCTS

with expertise in dairy packaging



PACCOR

OUR PARTNERSHIP STATEMENT

YOUR PARTNER FOR PROTECTION

We at PACCOR create long-lasting and innovative packaging solutions with the overall goal of protecting what is worth being protected: our partners, their products and the planet. So when speaking about "protection" we always make sure to consider all of the above. Because for us, protection is not only about minimizing food waste, it is also about taking care of future resources and our customers' economic efficiency.



LIVING AND VALUING PARTNERSHIPS

We build solid relationships and partnerships with our customers, because commitment and stability are key to sustainable development in the value chain. We build alliances with business partners and third-party organisations to create shared value for all our stakeholders: Conserving resources, protecting nature, improving the quality of life of communities, protecting food and goods for a wider population, engaging our employees and generating returns that encourage investors to support our plans for the future. We combine our geographical footprint, know-how and expertise with the creativity of our strategic partners and scale it up to deliver offers which make a positive impact in terms of driving the transition towards a circular economy.



CONSULTING WITH DIALOGUE, TRUST AND UNDERSTANDING

Although we have a huge packaging portfolio, certain needs and demands require individual solutions in order to provide the best possible protection for our customers' products. Therefore, we advise our customers holistically from idea to finished product. It is very important to us that an open and honest dialogue is established in the process and that this forms the basis for trusting partnerships with our customers.



ACTING WITH ENVIRONMENTAL, ECONOMIC AND SOCIAL RESPONSIBILITY

The PACCOR sustainability strategy aims to create value for all of our stakeholders in both the short and long term. We are part of the solution and set the sustainability agenda for our sector. PACCOR is actively partnering with suppliers, customers, consumers, NGOs and universities as the sustainable basis of our daily business. We build relationships that lead to circular products, services and production while constantly striving for better quality and product safety within a responsible supply chain. It is in our DNA to make sure to be the best partner to work with – whether by ensuring high-quality products, providing the best customer service or by facing environmental challenges.



DEVELOPING CUSTOMISED SOLUTIONS BASED ON EXPERTISE AND PASSION

We at PACCOR have a large product portfolio with many packaging solutions for different markets: dairy, spreads, convenience food, produce, food service and non-food. Our priority is to anticipate our customers' requirements and to provide value-added solutions. Therefore, we continuously improve and develop our products, working together with respected global brands.

OUR HIGHLIGHTS

INNOVATIVE SUSTAINABLE PACKAGING SOLUTIONS

NEW MATERIALS



FOAMED PP

Foamed PP cups from inline production, reduces plastic usage by 20%

NEW TECHNOLOGIES



LIGHTWEIGHT PACKAGING

Injection compression moulding tubs and continuous compression moulding caps, 15-30% weight reduction

NEW PRODUCTS



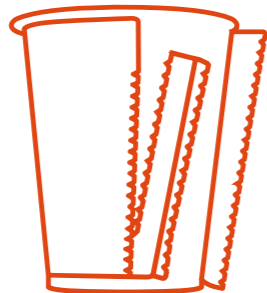
SQUEEZER

A tub formed paper or plastic based packaging for on the go consumption without spoon, single serve dosing of high viscosity protein products



cPET LIGHT

Perfect solution for hot fill desserts



DUOSMART WITHOUT GLUE

Improved packaging design for easier separation



DELITWIST PACKAGING

Patented design with unique twist opening / closing feature



rPET

Recycled PET material, sourced from post-consumer waste (PCW) drinking bottles



T-IML CONTAINER

Thermoformed thin wall plastic container with in-mould label and barrier properties



HANDLEPOT

Sustainable convenience to go. Mono-material.

PROTECTING YOUR PRODUCTS

with expertise in dairy packaging

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PROTECTING YOUR PRODUCTS

with expertise in dairy packaging



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CO-DEVELOPMENT PROCESS



1

IDEA GENERATION

- Deliberation
- Trend research & analysis
- Customer briefing
- Face-to-face meeting
- Definition of project scope, requirements and commercials



2

DESIGN VISUALISATION

- Product sketches
- Concept presentations
- 3D product designs
- Packaging animations
- Virtual shop visualisation



3

TECHNICAL DESIGN

- Production-ready 2D drawings
- For products and tools
- Exact dimensions
- Directly linked with a 3D model
- For an accelerated design processing



4

RAPID PROTOTYPING

- 3D printed mock-ups for visual presentations
- Coloured or white
- Branded or non-branded
- Customised designs possible
- Including touch and feel elements



5

TOOLING & SAMPLING

- CAD drawings translated into CNC programs
- Test inserts or pilot tools for product samples
- Feasibility & quality tests (top load, stack compression, etc.)
- Customer approval
- Serial inserts for production



6

PACKAGING SUPPLY

- Industrialisation
- Validation
- Auditing
- Launch
- Customer Service

ALLOWING YOU TO BE FAST, INDIVIDUAL & OUTSTANDING

1

Wide choice & endless combination of various packaging types, shapes, raw materials, technologies and decoration options

2

High-quality packaging designs, concept presentations, prototypes, test inserts & tools and samples

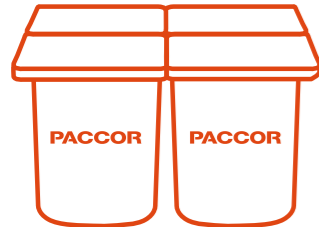
3

Custom-made and confidential development with fast time-to-market

CHOOSING THE PERFECT COMBINATION

No matter which production process, which material or which high-quality decoration our customers want – we find the right combination for their needs. We pay attention to high quality, sustainability and cost-efficiency.

THERMOFORMING INCL. EXTRUSION



DECORATION

- Dry offset printing
- Rotogravure printing
- In-mould labelling (TIML)
- Sleeving
- Labelling
- Paper wrapping
- Lamination
- Embossing
- Engraving

MATERIAL

- PS
- PP
- PET
- PET / PE
- CPET
- OPS
- PLA
- PP / EVOH / PP + Paper
- PP / EVOH / PP
- PS + Paper
- PP + Paper
- PET + Paper
- PLA + Paper

INJECTION MOULDING



DECORATION

- In-mould labeling
- Bicolour material
- Full coverage label up to sealing rim
- High brilliance with photo realistic illustration
- Embossing options

MATERIAL

- PP
- PP / PE

PAPER FORMING



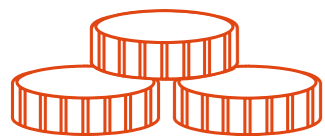
DECORATION

- Offset printing
- Flexo printing

MATERIAL

- Paper

COMPRESSION MOULDING



DECORATION

- Induction heat sealing
- Embossing

MATERIAL

- HDPE

PROTECTING YOUR PRODUCTS

with expertise in dairy packaging



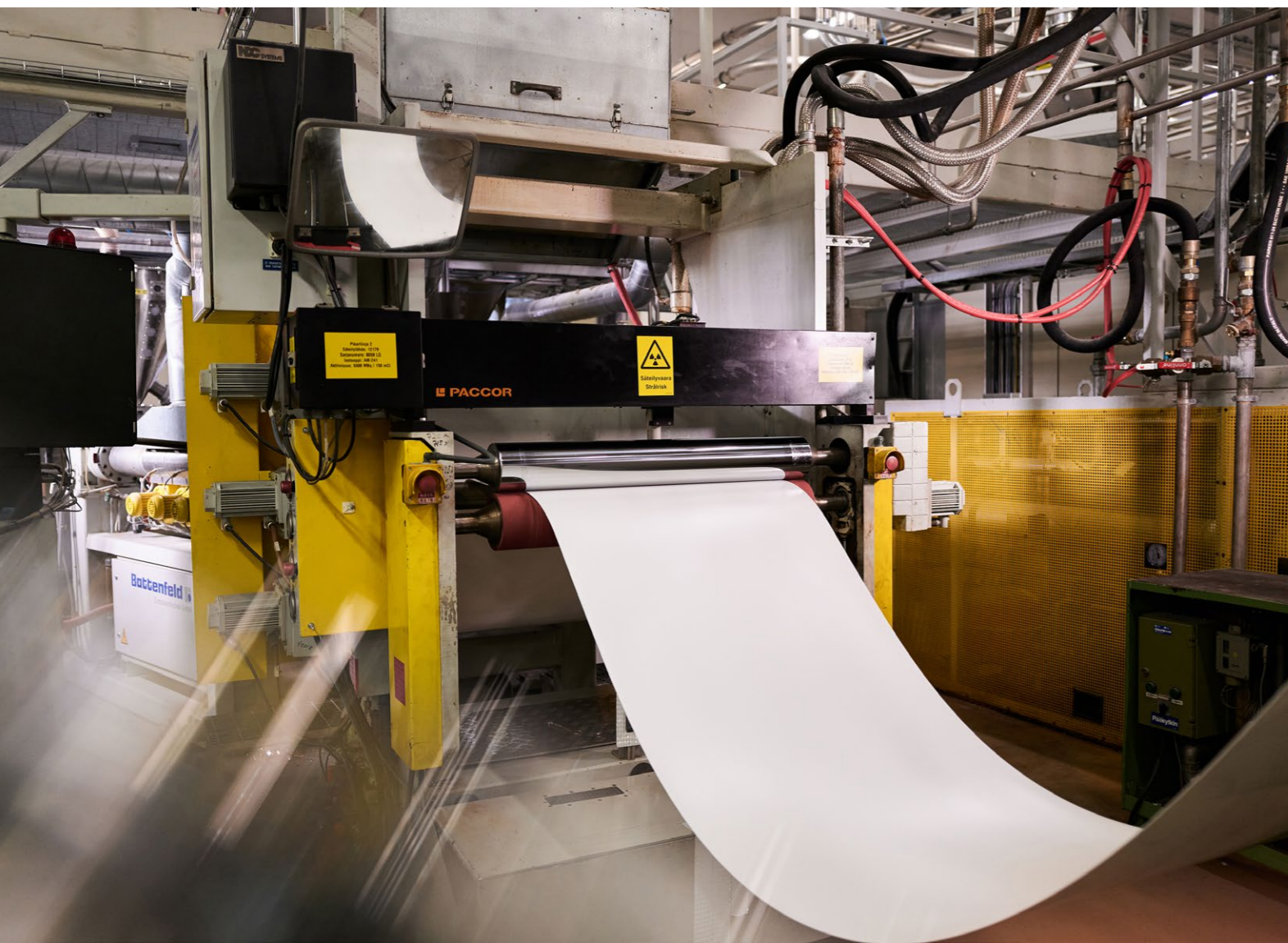
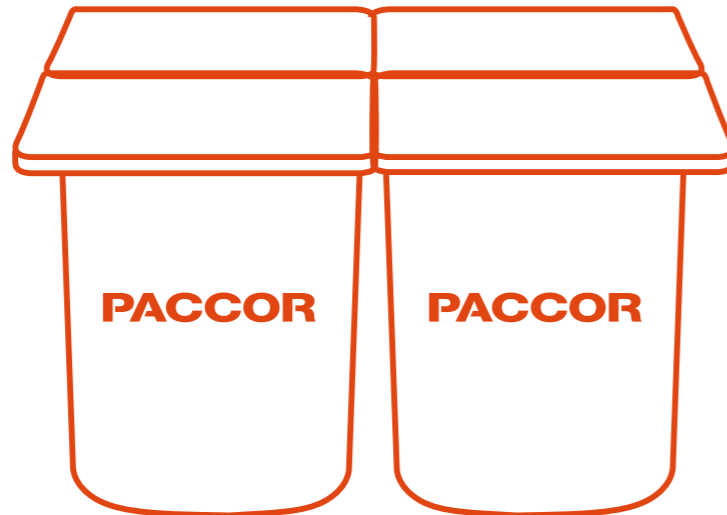
PACCOR

OUR COMPREHENSIVE TECHNOLOGY EXPERTISE

Thanks to our different production methods and technologies, we can create plastic packaging that is specially adapted to the individual needs and characteristics of our customers' products.

1 EXTRUSION

We have great expertise in the extrusion of plastic sheets. This process extrudes all mono- and multi-layer structures for thermoforming as well as complex films for the barrier film market and form-fill-seal applications.



2 THERMOFORMING

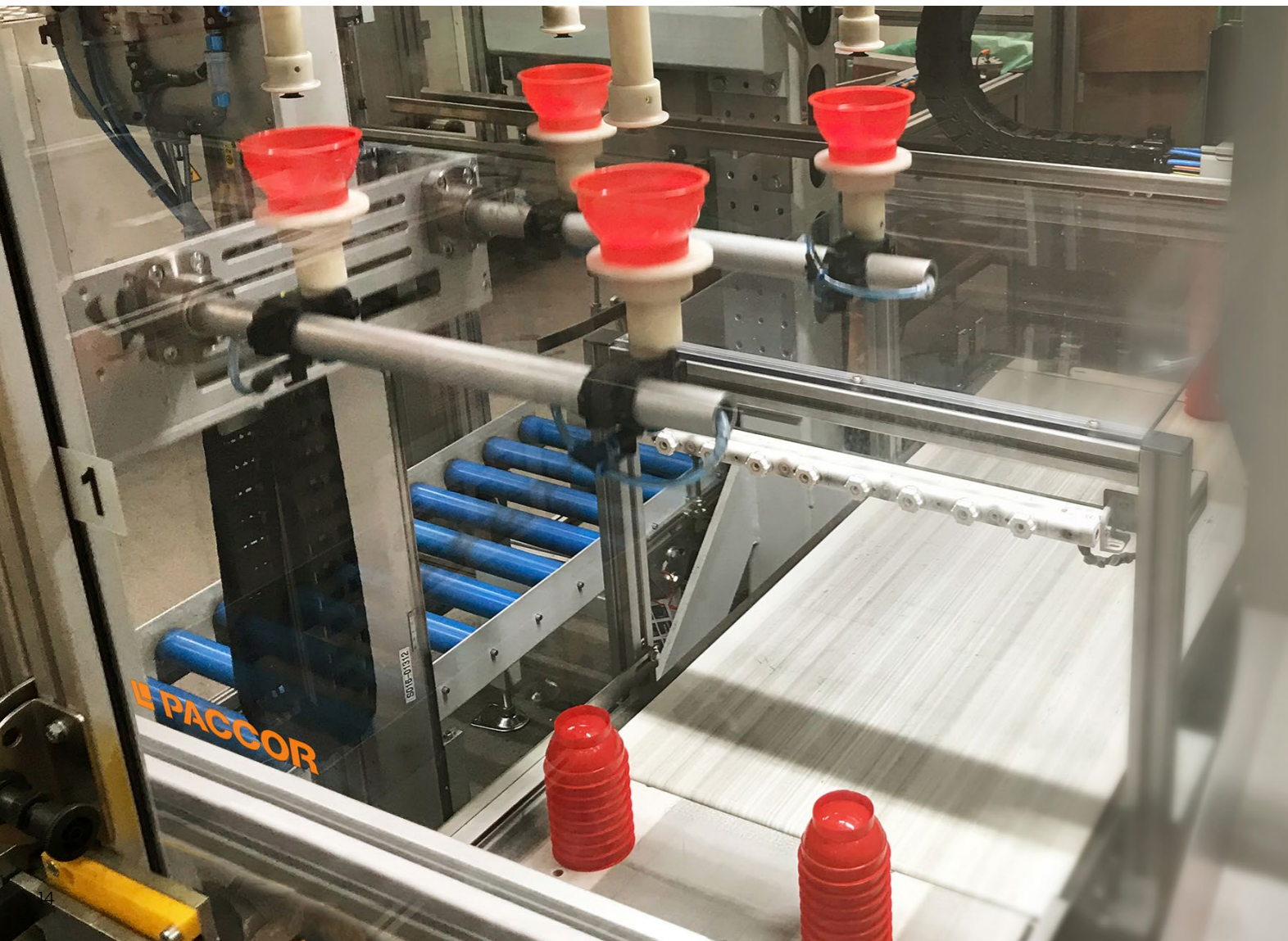
Thermoforming is our main process. Thanks to our efficient production processes, we produce consistently high quality and reliable output. Our extensive capacity in high-speed thermoforming enables us to meet our customers' requirements and offer a wide range of standard and customised packaging solutions. For products with longer shelf life we use the revolutionary TIML technology. This offers the very first decorated, high barrier and sterilizable solution for plastic packaging.



3 INJECTION MOULDING

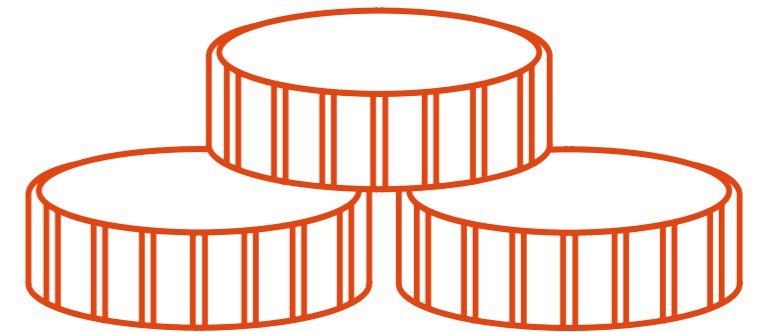
Our offer of rigid plastic packaging solutions is completed by injection moulding of in-mould labelling and complex shapes with tamper-proof lids. Sharp and

eye-catching images make the packaging stand out on the shelf and catch the eye. Our thin-wall technology also ensures the lowest possible weight.



4 COMPRESSION MOULDING

Our compression technology enables us to produce induction heat seals, EPE liners and caps with high efficiency, flexibility and speed.





**EXAMPLES OF
OUR DAIRY PORTFOLIO**

PACCOR

THE PERFECT COMBINATION OF PAPER AND PLASTIC



available in standard & light versions



easy separation



available in light version



customer exclusivity

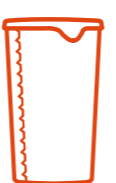
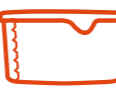


numerous decoration options



sustainable solution

Varied shapes and sizes of containers to store different products:



FEATURES AND BENEFITS:

- offer a high standard in food safety and product presentation
- perfect choice to protect the nutritional value, colour, aroma and taste of food products
- various material options for insert and paper segment
- hot filling and microwaving are also options
- zipper for easy separation of paper and plastic



high-quality printing



contains up to 50% less plastic

PROTECTING YOUR PRODUCTS

with expertise in dairy packaging



FOR MULTIPLE USAGE IN ALL FOOD & PACKAGING SECTORS

DAIRY PRODUCTS



CONVENIENCE FOOD

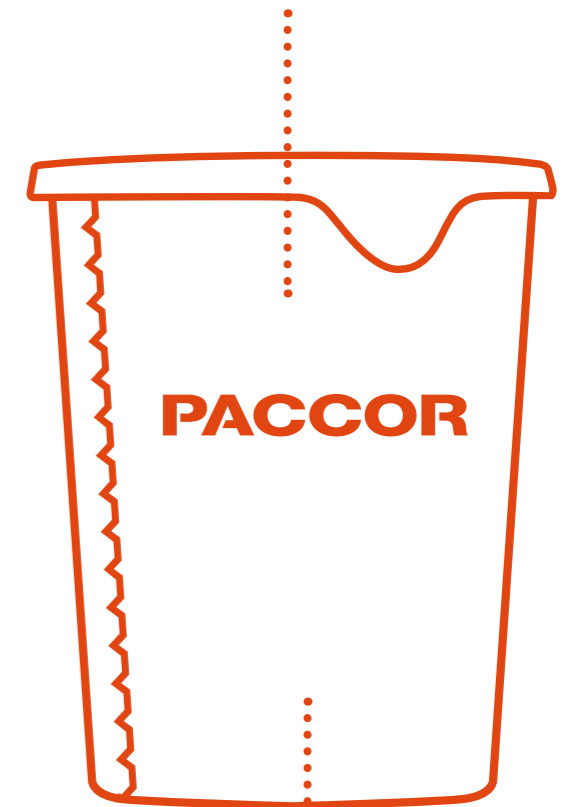


FOOD SERVICE



STANDARD VERSION

- total paper look
- soft-touch varnish gives the printed surface a velvety soft and pleasant feel
- zipper (paper perforation) to easily separate the paper segment from the cup
- with see-through window cutout option
- increased height of the packaging improves shelf presentation



INSTANT FOOD



CEREALS



PET FOOD



LIGHT VERSION

- cost-efficient solution without paper bottom
- variety of differentiation and communication options
- available also without glue for even easier separation of paper and plastic

FFS ROLLSTOCK FOR THE DAIRY INDUSTRY

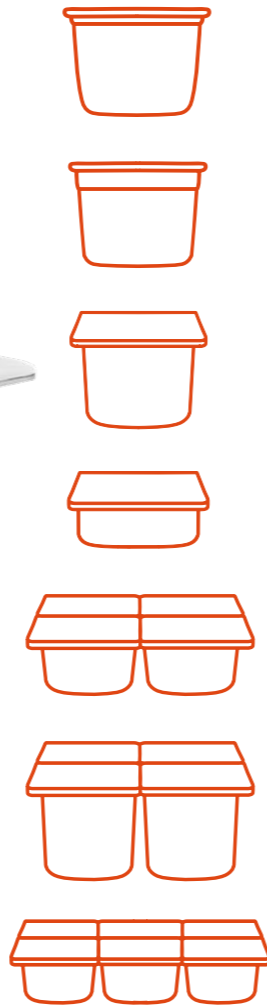
numerous decoration options



natural, white or bicoloured



Varied shapes and sizes of containers to store different products:



FEATURES AND BENEFITS:

- numerous decoration options
- outstanding gas barrier properties
- good processability
- aseptic, sterilisation, pasteurisation
- better, longer shelf life
- smooth haptic
- better stress cracking durability



structure on request



ecological & resource-saving solution

PROTECTING YOUR PRODUCTS

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OFFSET PRINTING & IN-MOULD LABELING (T-IML)


transformable
into endless
shapes and sizes


great
presentation

FEATURES AND BENEFITS:

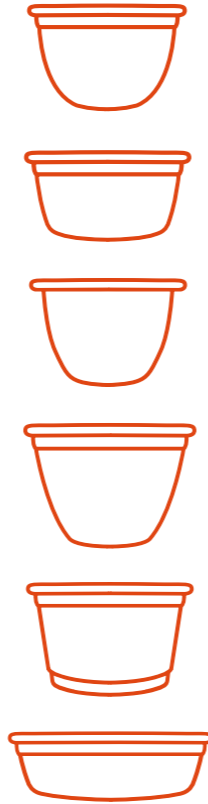
- dry offset printing in DLE technology - Direct Laser Engraving: sharper and brighter print results
- revolutionary T-IML technology: IML decorated, barrier and resortable plastic packaging solutions for products with a longer shelf life
- modular insert technology with lower tooling costs
- high standards of food safety labelling and product presentation


high-quality
printing


numerous
decoration options

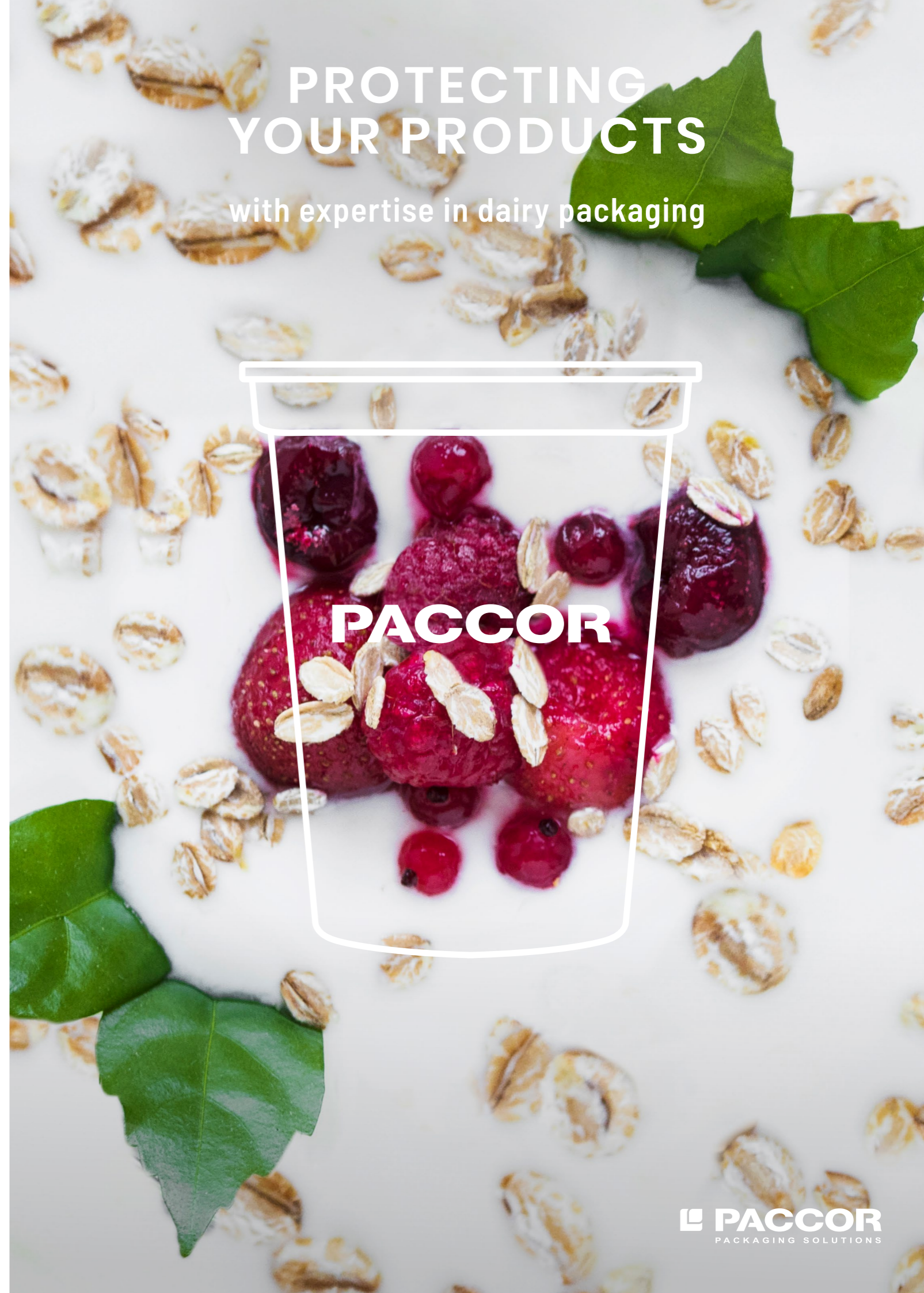


Varied shapes and sizes of containers to store different products:



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INJECTED DAIRY PACKAGING

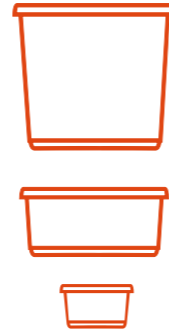
top quality printing



IML overcapping lid



Varied shapes and sizes of containers to store different products:



numerous decoration options



great stackability



customer exclusivity



sustainable solution

FEATURES AND BENEFITS:

- highest decoration possibilities and shelf impact, freedom of form and function
- eco-friendly technology by energy saving through the production process
- compression technology: less material usage and longer tooling life
- compact and simple shapes generate great stackability and maximise the shelf space



great stackability



up to 15% weight reduction & material saving

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CAPS & TOP CLOSURES

spirals provide side impact strength



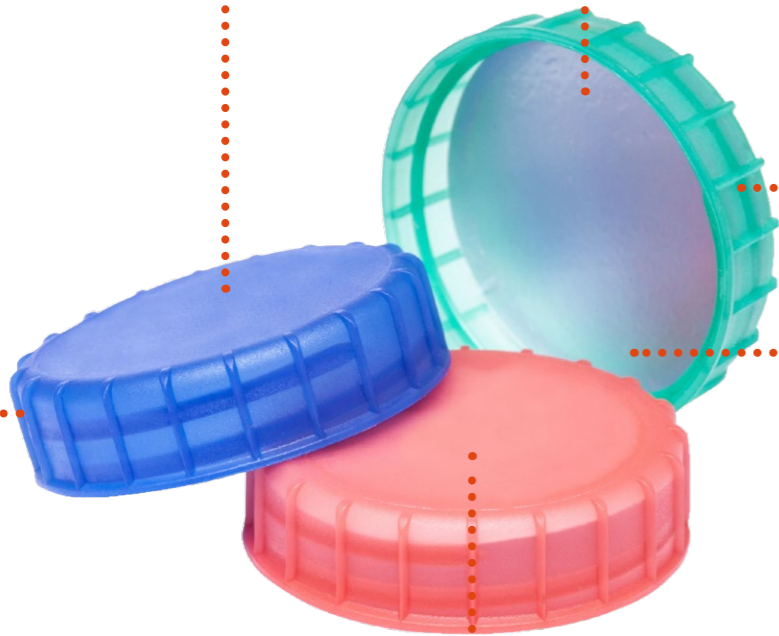
different design alternatives



customer exclusivity



improved performance



FEATURES AND BENEFITS:

- enables up to 30% weight reduction through a decreased wall thickness
- higher accuracy and lower tolerance levels in the production process resulting in improved performance on customers' filling lines
- available in a variety of formats including tamper-evident, induction heat seals, single-piece bore seals and EPE lined
- different alternatives such as embossing, debossing, surface finish variation can be a very cost-effective means of offering brand identity



reduction of materials up to 30%



reduction of carbon footprint up to 40%

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