



CUSTOMISABLE
POUCHES & BAGS FOR
EVERY APPLICATION

Innovation in **Sustainable** Pre-Made Pouches

 **WIPAK**

WHICH PACKAGING CONCEPTS
WILL WORK FOR YOU AND YOUR CUSTOMERS?

HOW CAN THEY BE ACHIEVED BOTH
TECHNICALLY AND COST EFFECTIVELY?

WHICH SUSTAINABILITY AND COMPLIANCE
ASPECTS SHOULD BE CONSIDERED?



Innovative Pouch Solutions

Wipak is a leading global manufacturer of premium-quality flexible packaging solutions, offering one of the industry's widest ranges of customisable pre-made bags and pouches – available in a variety of shapes and sizes. With Wipak, you benefit from over 40 years of expertise in developing and manufacturing efficient pouch solutions.

Benefit from our extensive experience and our broad spectrum of packaging films, printed in either roto-gravure, flexo or digital inkjet, with registered specialist varnishes and matt-lacquers as required.

Interested in solutions with sustainable material combinations? Our range of stand-up pouches and pre-made bags are characterized by rapid sealing, high barrier properties, heat resistance, and printability. They are designed for convenience, safety, and efficiency, guaranteeing benefits for both the customers and consumers.

Pouch Perfection

Convenience

- ▶ Easy to open, re-close, pour and empty completely
- ▶ Multipack formats for reducing waste
- ▶ Microwaveable concepts available

Efficiency

- ▶ Light and easy to carry completely
- ▶ Reduced weight and waste volume
- ▶ Less material used – optimal use of resources

Safety

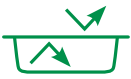
- ▶ Safe to use for all ages, with no sharp edges
- ▶ Perfect reclose thanks to spouts
- ▶ High mechanical resistance



Puncture resistant for zero leakage



Easy to store, display, and transport



Extended shelf life and resealable features



Low environmental impact



Reduced material compared to rigid alternatives



Lightweight



Wide variety of design & feature options



Portable, convenient and easy to use



MARKET SEGMENTS



Baby Food & Dairy Products

Convenient, lightweight, and easy to carry – our customisable pouches are the perfect solution for baby food.

With no sharp edges, they are durable and safe to use for young children. Our pouches and processes also extend the shelf life of products like organic fruit and vegetable purees without impacting taste or nutritional value.

Customisable pouches & bags for every application



Applicable solutions:

- ▶ Stand up pouches
- ▶ Spouted pouches – with/without rail and caps

Available

- _ Alu-based
- _ Alu-free
- _ Paper-based and recyclable structures



Beverages

The perfect choice for any liquids and beverages, at home or on-the-go.

Our pouches guarantee no leakage, high durability, and puncture resistance, saving food waste and logistical costs.

To serve your customers' needs, we offer an array of pouch features to suit your product requirements, including spouts for perfect reclosing, easy opening, and easy pouring.

Applicable solutions:

- ▶ Stand up pouches
- ▶ Doypacks

✓
Available

_ Alu-free

_ Recyclable structures



Retort & Food Service

Convenient and fully customisable flexible packaging solutions or food service.

Our solutions guarantee durability, high barrier properties, and no leakage, effectively safeguarding products such as ready meals, soups, dressings and sauces.

Applicable solutions:

- ▶ Stand up pouches
- ▶ Doypacks
- ▶ 3-side seal bags

✓
Available

_ Alu-based

_ Alu-free

_ Recyclable structures

_ Shaped pouches



Home & Personal Care

We have a range of solutions for home and personal care products including lawn and garden materials, chemicals and industrial liquids.

The possibilities for customisation are endless with a wide variety of options including special shapes, spouts, handles, and easy-open features.

Applicable solutions:

- ▶ Spouted pouches
- ▶ Stand up pouches

✓ Available

- _ Childproof zip feature
- _ Velcro feature
- _ Various spout sizes available for filling through the top or through the spout.



Dry Pet Food

Suitable for carrying higher volume and heavier products, these bags guarantee the safety and protection of products like pet food.

Our range of options, features and pouch designs are guaranteed to appeal to consumers.

Applicable solutions:

- ▶ Stand up pouches
- ▶ Spouted pouches – with/without rail and caps

✓ Available

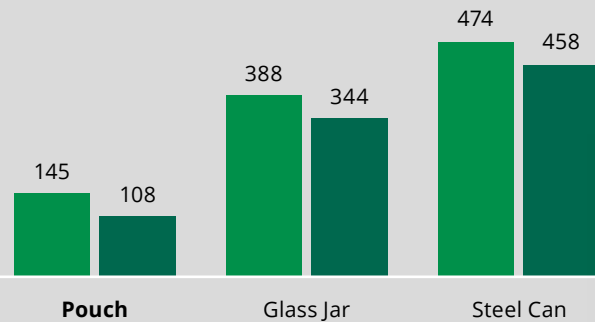
- _ Various reclose, handle, and easy open feature
- _ Film and barrier structures based on your requirements

Different Packaging Solutions and their Impact on Climate Change

CO₂ EMISSIONS OF PACKAGING FOR 400 GRAMM PASTA SAUCE

(in kg CO₂ eq per 1,000kg food)

■ CO₂ emissions at current recycling rates
■ CO₂ emissions at 100% recycling rates



Source: ifeu (2021)



Environmental & Economic Benefit

Our portfolio includes lightweight, flexible packaging solutions with a range of sustainability benefits for you and your customers, such as reduced plastic content and lowered logistical costs.

Pouches offer a wide variety of benefits to businesses and end consumers, while having a lower overall environmental impact than rigid alternatives.

According to a recent study by Flexible Packaging Europe and conducted by the ifeu institute in Germany^[1], the use of flexible pouches for common food products on the European market – pasta sauce and olives – were found to offer clear advantages over alternative packaging systems.

Using a life cycle assessment (LCA) approach, flexible pouches showed a more than 60% lower impact in the category of Climate Change (carbon footprint) than glass jars and steel cans – the most commonly used rigid alternatives in the EU.



From Idea to Market: How We Help You

- ▶ Conception, development, and design of packaging ideas
- ▶ Design consultation
- ▶ Consulting and project management
- ▶ Feasibility check of package designs
- ▶ Selection and sourcing of materials
- ▶ Market surveys and trend scouting
- ▶ Production of package and print samples
- ▶ Machine tests and sample series done under real-life condition

^[1] More detailed information in the executive summary at pouch.flexible-europe.org

Outstanding Solutions: Refining and Printing

We are very proud of our history. As part of Wihuri's 120-year history, Wipak is rooted in strong core family values. Together, we represent one of the world's leading producers of packaging materials and solutions for the food and medical supply industries.

Gravure Print and Flexo-Print

Convenient and fully customisable, Wipak offers gravure and flexo-print solutions at premium quality levels. We also operate our own production of cylinders (gravure print). The fully automated process, including gravure of cylinders, as well as storage, is a cornerstone warranting our flexibility and reproducibility.

Combination of Gravure and Flexo-print

The cost-effectiveness of flexo-printing and the lustre of gravure printing – Wipak combines the benefits of both technologies. Within one family of print images, we create and prepare the print images in such a way that it is ensured that they can be produced using both technologies. Product samples and special sizes can be flexibly implemented.

Additional ProDirect® Benefits

- ▶ Efficiently and sustainably produced small and medium-sized batches
- ▶ Reducing inventory, waste and discharge costs
- ▶ Water-based inks approved according to food law regulations and solvent-free composites
- ▶ Climate neutral packaging upon request



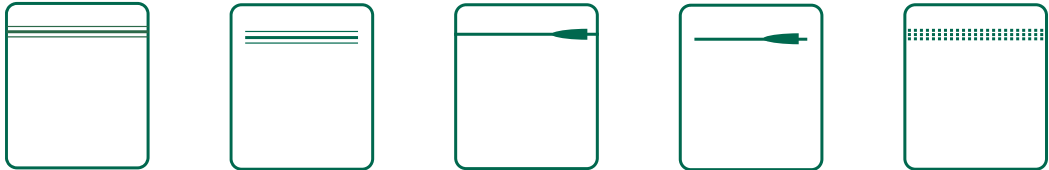
Inkjet Digital Print – ProDirect®

Wipak's award-winning ProDirect® digital inkjet technology and optimised ordering processes provides customers with utmost flexibility and sustainability. Producing excellent print images on paper laminates, the fully automated process also offers benefits regarding reproducibility.

Features

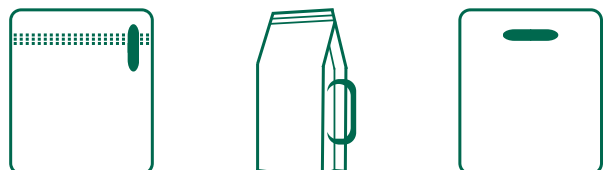
Reclose

TOP ZIP FRONT ZIP TOP SLIDER FRONT SLIDER VELCRO SYSTEM



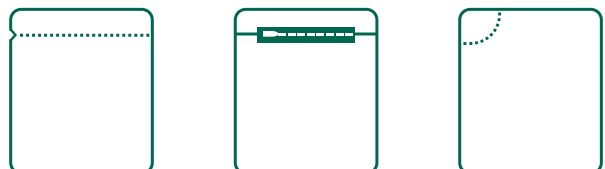
Handles

CORNER HANDLE GUSSET HANDLE TOP HANDLE




Easy-Open

LASER CUT MECHANICAL EASY-OPEN LASER CORNERS



Other

FOLDED BOTTOM ROUNDED CORNERS SPOUT VALVE SPECIAL SHAPES EURO SLOT





The Wipak Group develops and manufactures sophisticated packaging solutions for food products, as well as for medical instruments and devices. As part of the Finnish Wihuri Group, Wipak is a leading European supplier of multilayer films – especially high barrier films. Our extensive range of services delivered by our Innovation Center, combined with application support through training and workshops, ensure that with our products we can provide significant added value to our customers.

Interested?

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