



PRODUCT CATALOG
Bittner Packaging

2022



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About us

MANY YEARS IN THE INDUSTRY

Experience

Bittner Packaging has been in existence for 30 years. Since its inception, the company has been manufacturing plastic cutlery and packaging. In our factory in Ożarów Mazowiecki near Warsaw, we manufacture products using extrusion, thermoforming and injection moulding.

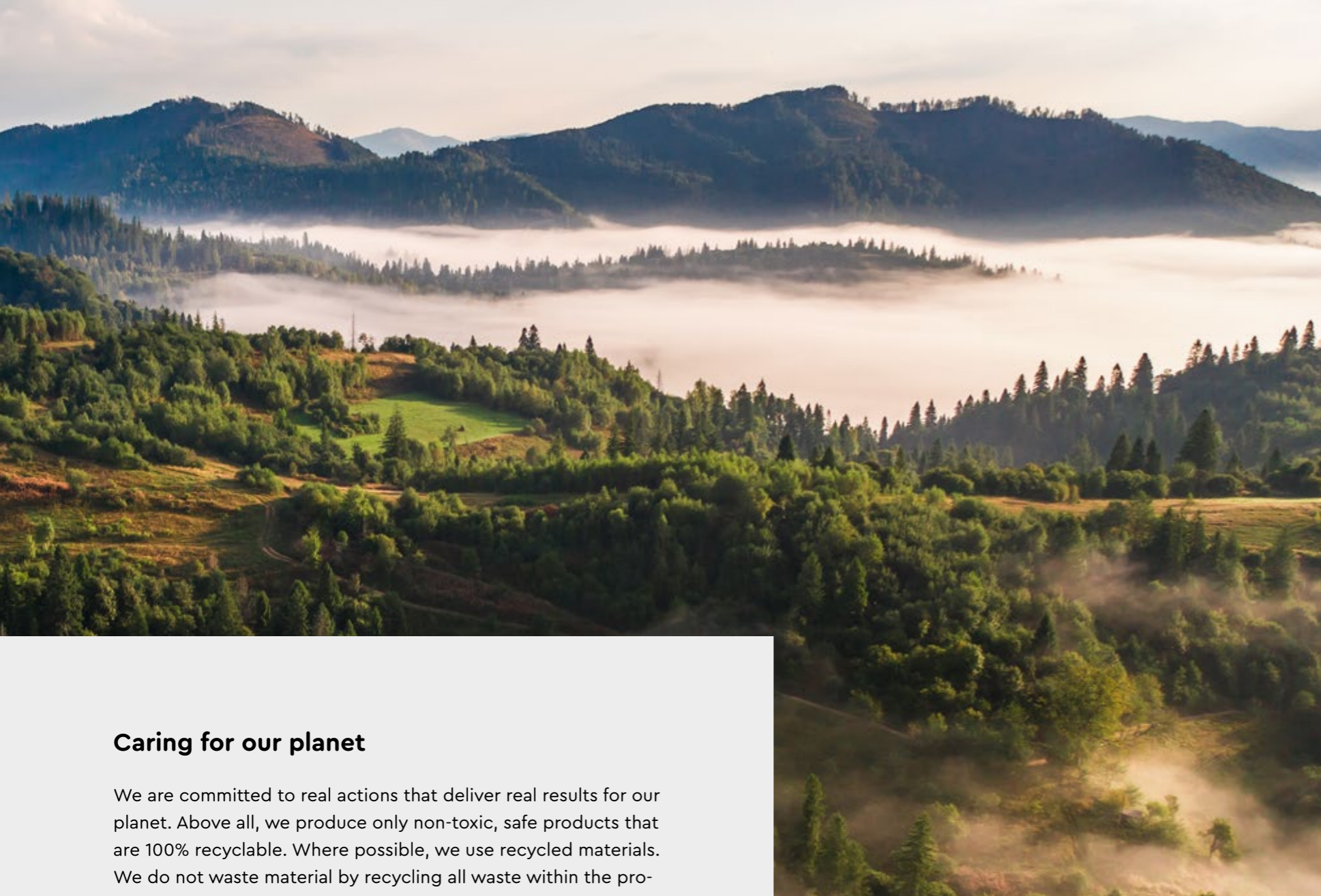
The commitment and family-based approach to doing business make the company's employees a dedicated team ready to face the toughest challenges. With a permanent and experienced team of specialists, we can fulfil your orders with the highest quality.



The Bittner company form a harmony between family values, corporate governance and the highest quality standards. We create our range of products in such a way that the passion for food finds with us dignified and safe packaging. All our products are sustainably created with care for our employees, customers, suppliers, our environment and society.

Priorities

Our priority is customer satisfaction that we strive to achieve by offering quality, competitive prices, a high level of service and flexibility. We continuously improve our internal processes to improve customer-relevant values while maintaining a personal approach to each project.



Caring for our planet

We are committed to real actions that deliver real results for our planet. Above all, we produce only non-toxic, safe products that are 100% recyclable. Where possible, we use recycled materials. We do not waste material by recycling all waste within the production cycle.

LITE Line and waste collection

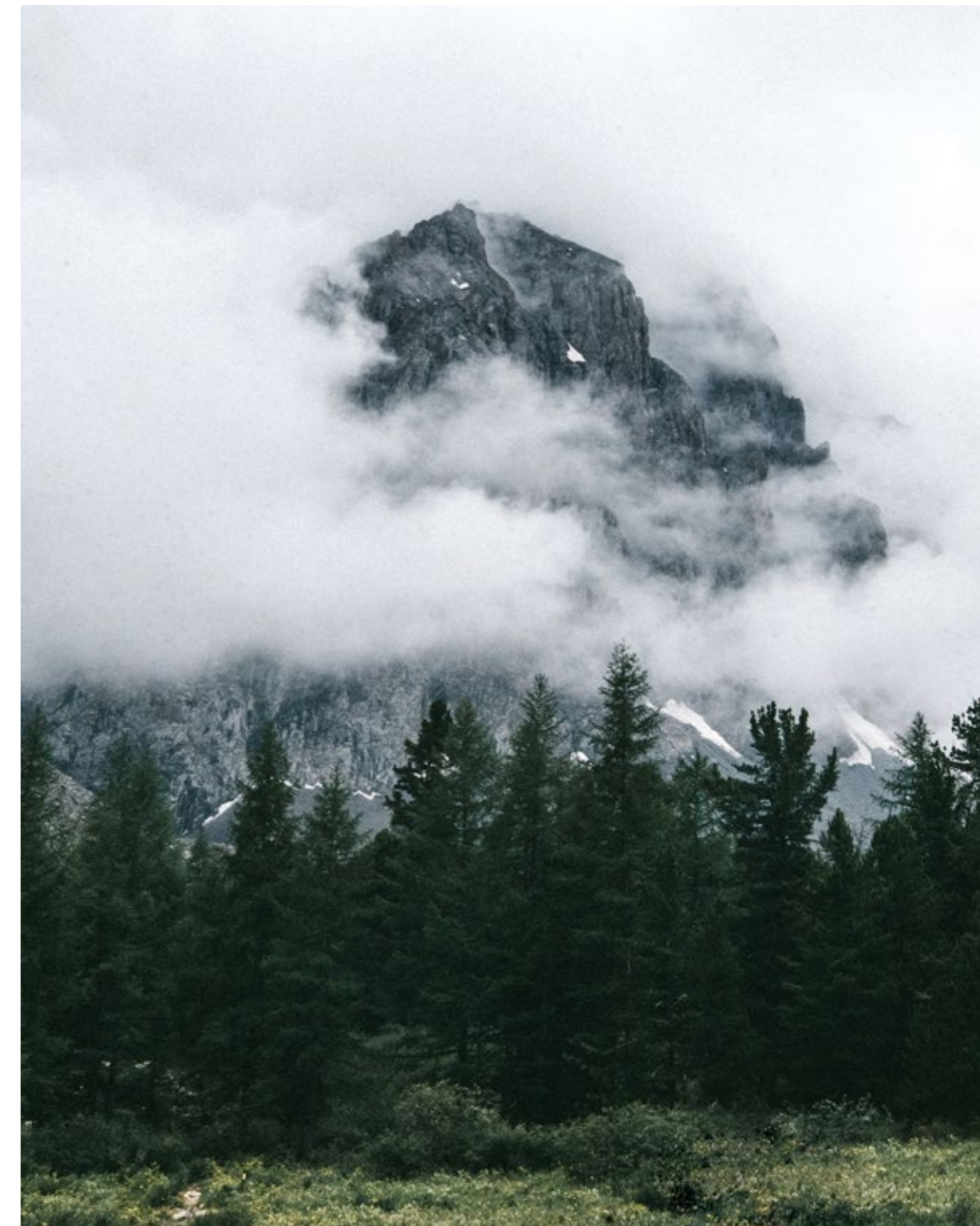
We have created the LITE line, which allows our customers to choose almost all of our products with lighter weight – introducing less plastic to the market.

Within the company, there is an efficient system for selective waste collection and saving resources. We have a water purification system, thanks to which we obtain drinking water, reducing the consumption of PET bottles. For heating and cooling the production floor, we use the energy generated by the running machines.



Effects

Every year, we set ambitious targets to reduce energy consumption per kilogram of product produced. This success is achieved by optimizing the machine park and replacing equipment with more modern and energy-efficient equipment.



Materials

100% recyclable

Using the technologies available at our facility – extrusion, thermoforming and injection – we can produce products from both traditional polymers as well as from innovative bio-based and biodegradable materials. All our products are made of mono-materials and are 100% recyclable.



RENEWABLE MATERIALS

Bioplastics

Plastics are obtained in the chemical (artificial) polymerization process, however, they are from alternative sources and raw materials. Unlike traditional crude oil polymers, bioplastics are produced from renewable sources such as sugar cane. The advantage of bioplastics is that they conserve raw materials by using cyclically renewed biomass. In addition, their production and use are carbon neutral, which means that their processing does not contribute to an increase in carbon dioxide production. Importantly, not all bioplastics are biodegradable. Bioplastics should not be equated with a shorter decomposition process.



RAW MATERIAL PP

Polypropylene

One of the most common and safest polymers used in the production of articles intended for contact with food.

Items made from it are marked with the PP symbol and the number 5. It is odourless, water-resistant and very durable – products made from it can withstand both deep freezing and prolonged heating in microwave ovens. It is very recyclable and can be recycled multiple times.



WOOD PLASTIC COMPOSITES

WPC

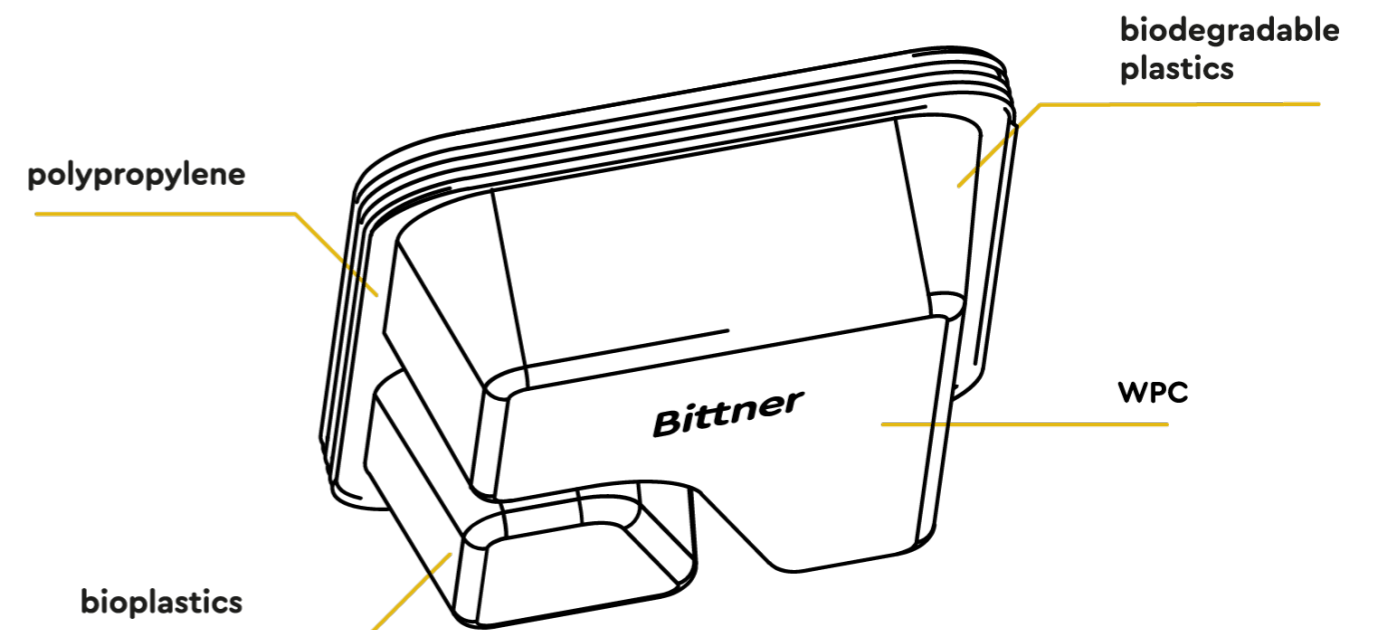
An innovative material that is a combination of traditional polymer and natural wood fibre. The use of the composite allows a reduction in the proportion of plastic in the product by as much as 40-50%. At the same time, the material has a high strength that allows it to be used in the manufacture of reusable products, as it does not change its properties even after being washed 125 times in a dishwasher. In addition, WPC has a temperature resistance of up to 95°C.



RAW MATERIALS OF THE FUTURE

Biodegradable materials

Plastics are manufactured in a polymerization process, similar to traditional plastics such as polystyrene and polypropylene. Biodegradable materials, depending on aerobic or anaerobic processes, are completely decomposed by micro-organisms (bacteria and fungi) into carbon dioxide, methane, water, biomass and inorganic materials.





PRODUCTS MADE OF PP and PET

Thermoforming

Polypropylene and PET articles are manufactured in the thermoforming department. The film made in the Extrusion Department goes to the thermoforming machine where the containers are formed. After the film has been preheated, the machine forms and then cuts the packaging that you will find in our offer.

Depending on the needs of customers, it is possible to adjust the thickness of the foil, and thus the weight of the container. We also have the possibility of making products in any colour.

PRODUCTS OF THE EXTRUSION PROCESS

What films do we produce?

At our facility, we can produce film with a maximum width of 1000 mm and a thickness of 1.5 mm. We can also make a film made of more than one component, e.g. with an EVOH barrier. However, because a multi-component film makes recycling very difficult, all our packaging are monomaterial, making them 100% recyclable.

Technologies

FILM PRODUCTION

Extrusion

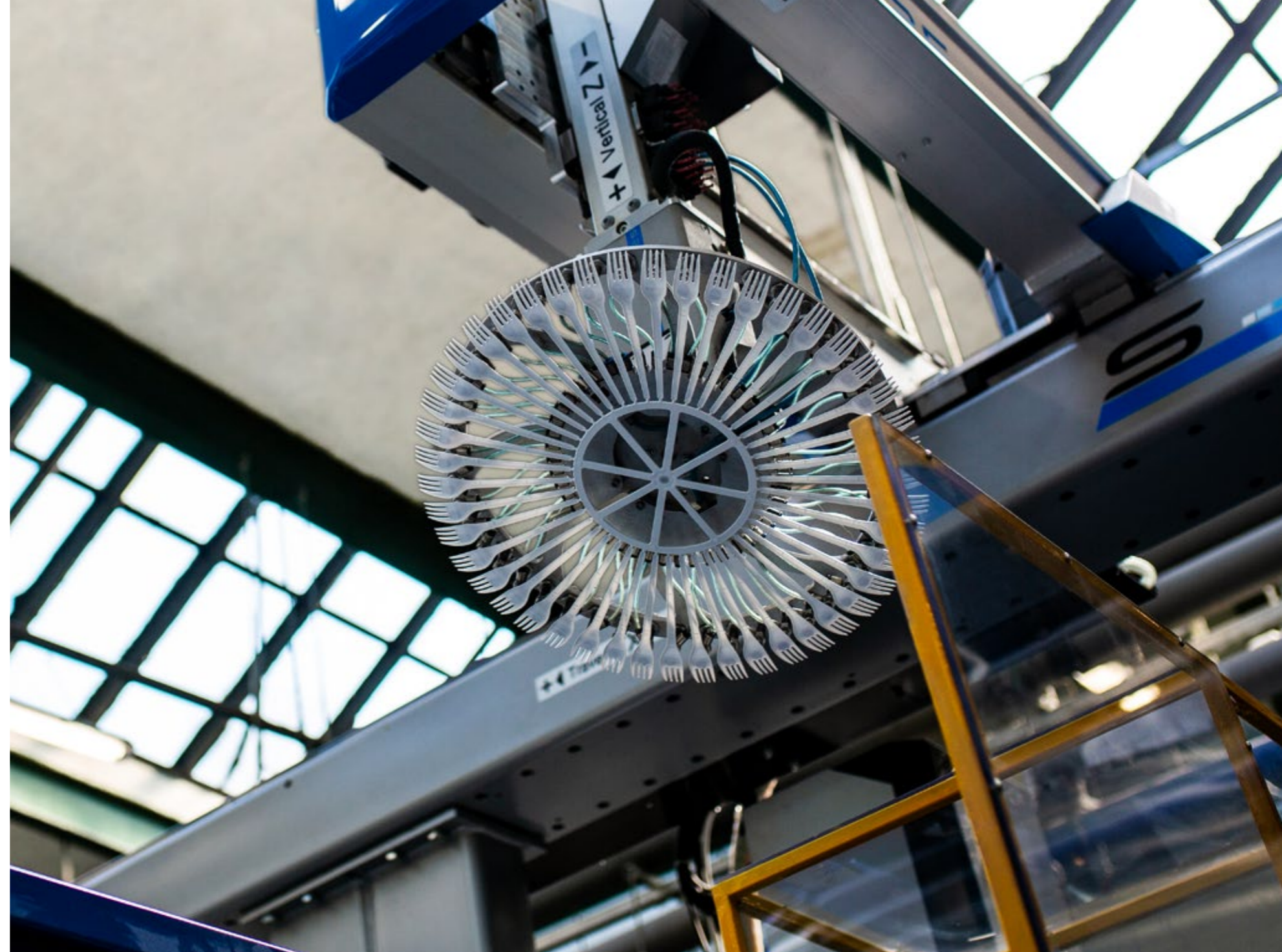
Extruders are the largest machines in our plant. We have 3 machines for producing films, which are then transferred to the thermoforming department where they are formed into packaging. The extrusion process varies depending on the type of material and the type of film that we want to obtain. The granulate is heated to a very high temperature, and when a liquid form is obtained, it is poured onto the forming rollers, which gradually cool and passes the material to form a thin, flat and flexible film. Finally, the film is wound on rolls.



CARING FOR THE ENVIRONMENT

Recycling

We don't waste anything in our company. Thanks to our many years of experience and a group of specialists, we have developed our own system of returning all post-production waste. All waste straight from the machine goes to a network of tanks and feeders where it is chopped and then added to subsequent products. This way, we use almost 100% of the raw material purchased, keeping it clean and safe.



INJECTION OF MATERIAL UNDER PRESSURE

Injection moulding

The Injection Department has several machines. Reusable cutlery, packaging and lids are produced here. This technology is based on heating the material into a liquid form, then introducing it into the mould under pressure and cooling it to obtain the desired shape. Once cooled, the product obtains a solid state. At the end of the process, a robot collects the products from the mould and stacks them. Currently, we use polypropylene and WPC (Wood-Plastic Composites) for injection moulding production.

Our products



RECTANGULAR CONTAINERS



ROUND CONTAINERS



REUSABLE CUTLERY





STANDARD PREMIUM CONTAINER 227 × 178

no.	index	type	colour	height	weight
1.	3429	T-1	black	30 mm	22 g
2.	3430	T-2	black	30 mm	22 g
3.	3431	T-3	black	30 mm	22 g
4.	3444	COLT	black	30 mm	22 g
5.	3432	T-1	black	40 mm	24 g
6.	3433	T-2	black	40 mm	24 g
7.	3434	T-3	black	40 mm	24 g
8.	3445 /25	COLT	black	40 mm	24 g
9.	3447	T-1	black	50 mm	28,5 g
10.	3448	T-2	black	50 mm	28,5 g
11.	3449	T-3	black	50 mm <td 28,5 g	
12.	3446	COLT	black	50 mm	28,5 g
13.	3411	T-1	white	30 mm	22 g
14.	3412	T-2	white	30 mm	22 g
15.	3413	T-3	white	30 mm	22 g



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CATERING CLASSIC

227 × 178

227 × 178 is the most popular size of sealed containers, especially loved by catering companies. Its optimal shape fits perfectly with ready-made meals. This catering classic is available in three depths (30, 40 and 50 millimetres), four division options and in standard white, black and transparent. With the environment in mind, the LITE version was created, under which all 227 × 178 containers are available at a reduced weight.





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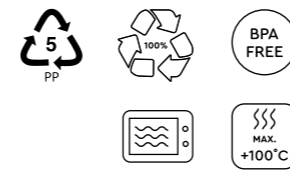
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STANDARD PREMIUM CONTAINER 227 × 178

no.	index	type	colour	height	weight
16.	3438	COLT	white	30 mm	22 g
17.	3414	T-1	white	40 mm	24 g
18.	3415	T-2	white	40 mm	24 g
19.	3416	T-3	white	40 mm	24 g
20.	3439	COLT	white	40 mm	24 g
21.	3417	T-1	white	50 mm	28,5 g
22.	3418	T-2	white	50 mm	28,5 g
23.	3419	T-3	white	50 mm	28,5 g
24.	3440	COLT	white	50 mm	28,5 g
25.	3420	T-1	transparent	30 mm	22 g
26.	3421	T-2	transparent	30 mm	22 g
27.	3422	T-3	transparent	30 mm	22 g
28.	3441	COLT	transparent	30 mm	22 g
29.	3423	T-1	transparent	40 mm	24 g
30.	3424	T-2	transparent	40 mm	24 g
31.	3425	T-3	transparent	40 mm	24 g
32.	3442	COLT	transparent	40 mm	24 g
33.	3426	T-1	transparent	50 mm	28,5 g
34.	3427	T-2	transparent	50 mm	28,5 g
35.	3428	T-3	transparent	50 mm	28,5 g
36.	3443	COLT	transparent	50 mm	28,5 g





STANDARD PREMIUM CONTAINER 227 × 178 LITE

no	index	type	colour	height	weight
1.	3429/LITE	T-1	black	30 mm	18 g
2.	3430/LITE	T-2	black	30 mm	18 g
3.	3431/LITE	T-3	black	30 mm	18 g
4.	3444/LITE	COLT	black	30 mm	18 g
5.	3432/LITE	T-1	black	40 mm	
6.	3433/LITE	T-2	black	40 mm	20 g
7.	3434/LITE	T-3	black	40 mm	20 g
8.	3445/LITE	COLT	black	40 mm	20 g
9.	3447/LITE	T-1	black	50 mm	22 g
10.	3448/LITE	T-2	black	50 mm	22 g
11.	3449/LITE	T-3	black	50 mm	22 g
12.	3446/LITE	COLT	black	50 mm	22 g



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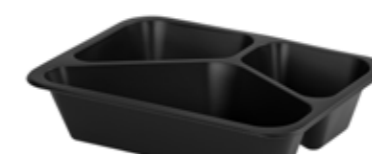
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STANDARD PREMIUM CONTAINER 227 × 178 LITE

no.	index	type	colour	height	weight
13.	3414/LITE	T-1	white	40 mm	20 g
14.	3415/LITE	T-2	white	40 mm	20 g
15.	3416/LITE	T-3	white	40 mm	20 g
16.	3439/LITE	COLT	white	40 mm	20 g
17.	3417/LITE	T-1	white	50 mm	22 g
18.	3418/LITE	T-2	white	50 mm	22 g
19.	3419/LITE	T-3	white	50 mm	22 g
20.	3440/LITE	COLT	white	50 mm	22 g



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FOR SMALLER MEALS

187 × 137

The 187 × 137 container range consists of 6 different rectangular food package designs and capacities. These single and double-chamber containers are ideal for smaller portions of prepared meals or delicatessen products. Sealing of the containers allows for the safe transportation of food. A matching PP lid is also available for this range of containers.



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CONTAINER 187 × 137

no.	index	type	colour	height	weight
1.	3210	T-1	black	25 mm	11,2 g
2.	3211	T-1	black	36 mm	12,5 g
3.	3212	T-2	black	36 mm	12,5 g
4.	3213	T-1	black	48 mm	15,5 g
5.	3244	T-2	black	48 mm	15,5 g
6.	3214	T-1	black	60 mm	18 g
7.	3237	T-1	white	25 mm	11,2 g
8.	3238	T-1	white	36 mm	12,5 g





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CONTAINER 187 × 137

no.	index	type	colour	height	weight
9.	3239	T-2	white	36 mm	12,5 g
10.	3240	T-1	white	48 mm	15,5 g
11.	3242	T-2	white	48 mm	15,5 g
12.	3241	T-1	white	60 mm	18 g
13.	3223	T-1	transparent	25 mm	11,2 g
14.	3224	T-1	transparent	36 mm	12,5 g
15.	3225	T-2	transparent	36 mm	12,5 g
16.	3226	T-1	transparent	48 mm	15,5 g
17.	3243	T-2	transparent	48 mm	15,5 g
18.	3227	T-1	transparent	60 mm	18 g



ALTERNATIVE TO SEALING FILM

Lids

Lids are an alternative to sealing with a film. We offer lids for our 227 × 178 and 187 × 137 containers. The lids are made of polypropylene, so they do not deform when handling hot food and can be heated in the microwave together with the container. Like all our products, they are 100% recyclable.



227 × 178 CONTAINER LID

no.	index	type	colour	weight
1.	3469	PP	transparent	12 g



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187 × 137 CONTAINER LID

no.	index	type	colour	weight
1.	3232	PP	transparent	7,7 g



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MINI DISHES

160 × 112

Three types of containers with the top edge dimensions of 160 × 112 are ideal for soups or small portions of food. The most popular choice of manufacturers is the so-called "diet box" as a package for a second breakfast and afternoon tea. The rectangular shape optimizes the sealing process and saves space during transport.



MINI CONTAINER 160 × 112

no.	index	type	colour	height	weight
1.	3496	T-1	black	45 mm	14 g
2.	3497	T-2	black	45 mm	16 g
3.	3498	T-1	black	66 mm	16 g
4.	3466	T-1	white	45 mm	14 g
5.	3467	T-2	white	45 mm	16 g
6.	3468	T-1	white	66 mm	16 g
7.	3463	T-1	transparent	45 mm	14 g
8.	3464	T-2	transparent	45 mm	16 g
9.	3465	T-1	transparent	66 mm	16 g



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ROUND CONTAINER Ø 149

no.	index	type	colour	capacity	weight
1.	3207	with handles	black	350 ml	8,5 g
2.	3208	with handles	black	500 ml	12,9 g
3.	3209	with handles	black	640 ml	16,5 g
4.	3236	with handles	white	350 ml	8,5 g
5.	3234	with handles	white	500 ml	12,9 g
6.	3233	with handles	white	640 ml	16,5 g
7.	3228	with handles	transparent	350 ml	8,5 g
8.	3229	with handles	transparent	500 ml	12,9 g
9.	3230	with handles	transparent	640 ml	16,5 g
10.	3499	without handles	black	500 ml	11,2 g
11.	3235	without handles	white	500 ml	11,2 g
12.	3231	without handles	transparent	500 ml	11,2 g



ELEGANCE AND CONFIDENCE

Round containers

Round containers are intended for packing soups, salads or delicatessen products. The version with handles and a large sealing surface is the perfect combination of strength and sealing tightness with an elegant, timeless design. The version without handles with ribbed sides is designed for customers looking for the best value for the money.



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SAUCE CONTAINER WITH A LID

no.	index	colour	capacity	weight
1.	3458	black	30 ml	1,7 g
2.	3453	black	50 ml	1,7 g
3.	3451	black	80 ml	2,1 g
4.	3455	black	100 ml	2,4 g
5.	3457	transparent	30 ml	1,7 g
6.	3452	transparent	50 ml	1,7 g
7.	3450	transparent	80 ml	2,1 g
8.	3454	transparent	100 ml	2,4 g



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LID FOR SAUCE CONTAINERS

no.	index	colour	weight
1.	3456	transparent	0,81 g



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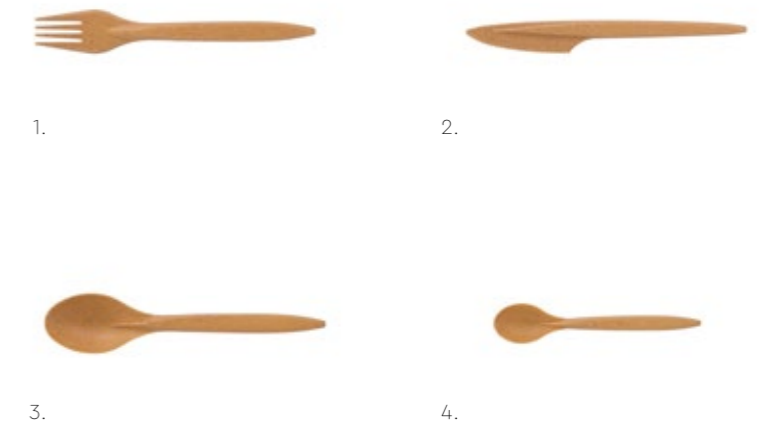
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Sauce containers

These packages are intended for the transport and storage of sauces, small portions of food or for the display of food during tasting. The sauce containers are often obtained with the delivery of pizza, sushi or a diet box.

Made from polypropylene, the containers range from 30 ml to 100 ml and are available in standard black and clear. A tight lid is available for all containers.

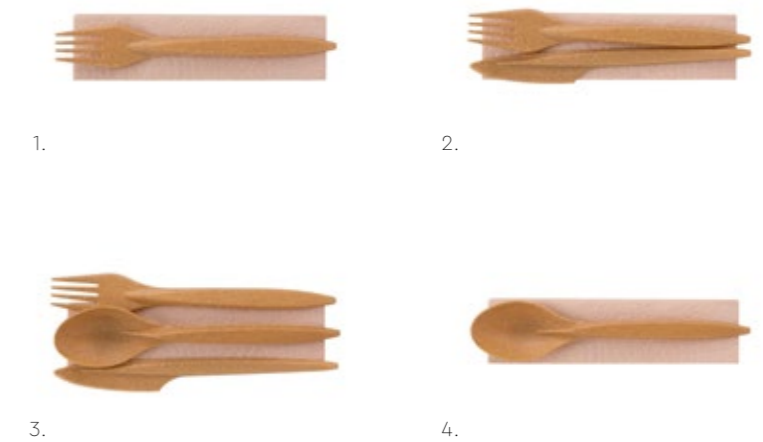


REUSABLE WPC CUTLERY

no.	index	type	number of pieces per package	weight
1.	1108/100	WPC fork	100	4,3 g
2.	1107/100	WPC knife	100	3,6 g
3.	1106/100	WPC spoon	100	4,8 g
4.	1117/100	WPC teaspoon	100	2,0 g

WPC CUTLERY SETS WITH A NAPKIN IN OPP FOIL

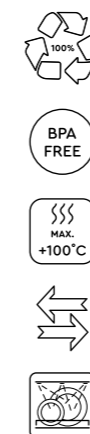
no.	index	type	number of pieces per package
1.	3926	WPC napkin + fork	250
2.	3924	WPC napkin + knife + fork	250
3.	3925	WPC napkin + knife + fork + spoon	250
4.	3915	WPC napkin + spoon	250



Reusable cutlery

Cutlery is made of WPC – Wood-Plastic Composites. Tests carried out in an independent laboratory have shown that after 125 times of washing, rinsing and drying, the cutlery does not lose its properties.

Under the assumptions of Directive (EU) 2019/904, products that are proven to be reusable will be allowed to be placed on the market after their entry into force.

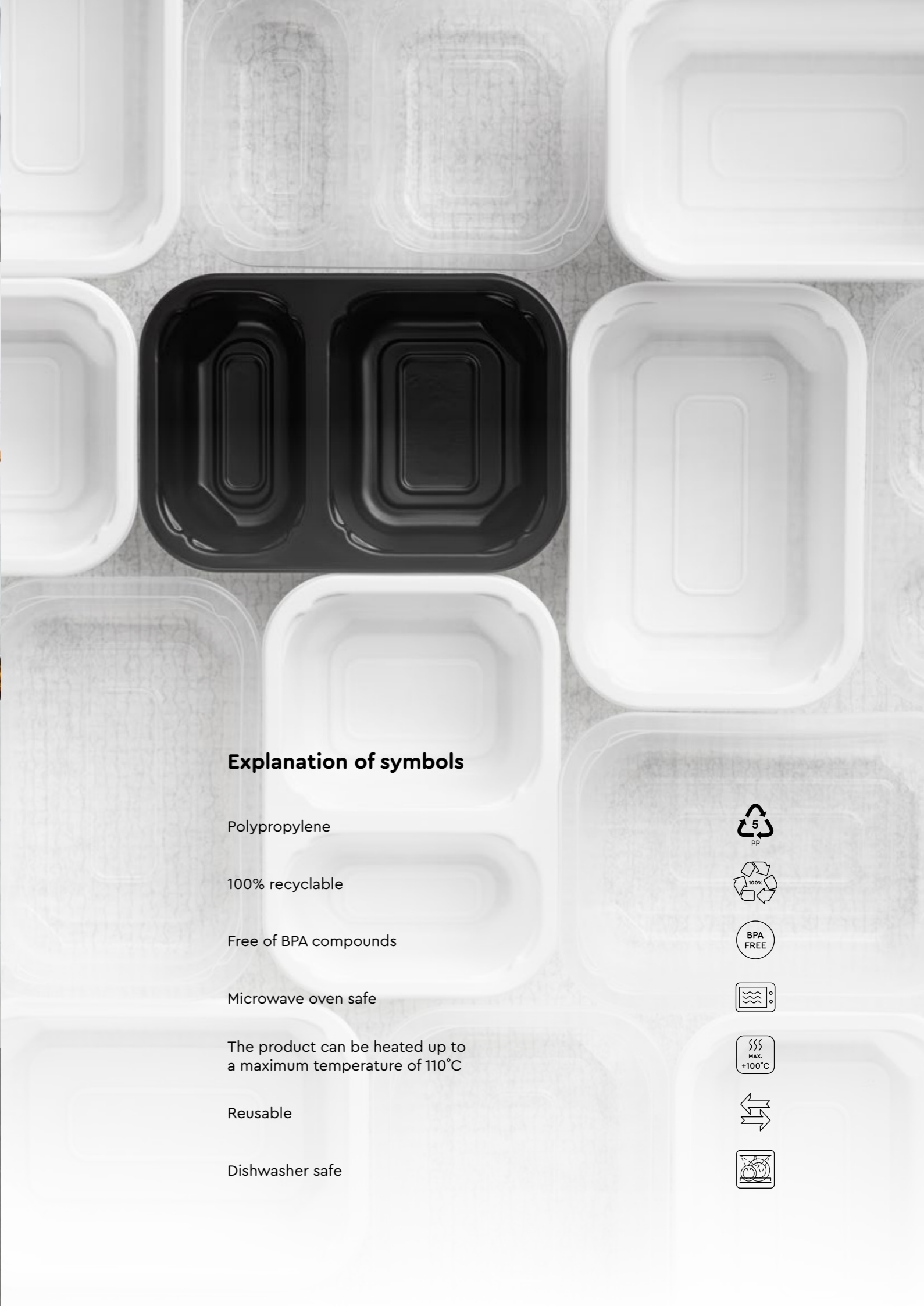


Quality

By implementing an integrated Quality Management System and an Environmental System in accordance with the requirements of PN-EN ISO 9001 and PN-EN ISO 14001, we provide a high standard and efficient process management to ensure safety from raw material to the finished product.

At the plant, we follow the principles of Good Hygiene Practice (GHP) and Good Manufacturing Practice (GMP).

Our quality is confirmed by the certificates we obtained and our customers to whom we provide reliable information, support and professional service.



Explanation of symbols

Polypropylene

100% recyclable

Free of BPA compounds

Microwave oven safe

The product can be heated up to a maximum temperature of 110°C

Reusable

Dishwasher safe





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