

Micro-Plast



PRODUCT CATALOG

Plastic packaging solutions.





PLASTIC PROCESSING

WIDE VARIETY OF CAPACITY AND SHAPES. COLOR VARIATIONS AVAILABLE UPON REQUEST. ISO AND ADR CERTIFICATIONS. DEVELOPMENT OF CUSTOM PRODUCTS.

TABLE OF CONTENTS

About us	03
Our Products	04
Benefits	06
Canisters	07
Euro Cans	08
Bottles	13
Caps	20
Custom Products	21

ABOUT US

WE'RE MICRO-PLAST LTD.

With several decades of experience in the field of plastic processing, we are manufacturers of plastic packaging and complimentary products. Our company, Micro-Plast Ltd. was founded in 2002 and is a fully Hungarian-owned family business.

The founders of our company György Neuwirth and István Zajacz started their business in the early '90s as self-employed plastic processors. In the uncertain economic situation around the change of Hungarian regime and in the time of mass import of plastic goods from China, our founders were looking for an answer to how they could continue the plastic business, which György Neuwirth's father had already brought into the family as a button maker. What won't be brought to here from China? Anecdotally, the answer came to them as follows: "they might not bring air from there". And so, the decision was made to go into packaging production. In 2002, they founded Micro-Plast Ltd. as a joint venture. In 2021, György Neuwirth handed over his role to the next generation. We are proud that in 2023 he celebrated with us the construction of our new industrial hall and a new phase in the life of Micro-Plast Ltd. Our main profile is the production of cans and bottles from polyolefins, ranging from 0.5 dl to 23 liters in volume.

Our plastic products are used in a wide range of applications, such as:

- food products
- chemical products
- household chemicals
- pesticides
- cleaning and detergent products
- pharmaceutical preparations

Our technology allows us to add new products to our range in a relatively short time. We build our product palette adapted to current customer needs. Our team provides support for our partners in finding the packaging that is the most suitable for them and to fit individual specifications we are happy to discuss the inclusion of new products.



*György Neuwirth
István Zajacz*



*Péter Zajacz
Katalin Zajacz
Krisztina Zajacz*

OUR PRODUCTS



CANISTERS

Packaging from 5 to 23 liters in capacity, made of HDPE material ensuring a wide range of uses.



BOTTLES

Products with a capacity between 50 and 2500 ml –suitable for packaging liquid, powder, granule, and gel-like materials as well as tablets.



CAPS

Our caps are available in varying diameters and heights to fit the neck and orifice of the bottle or can of your choice.



CUSTOMIZED PRODUCTS

If you have not found the packaging material that meets your needs, we are open to adding new products to our portfolio.

SERIES	PRODUCT	CAPACITY
Ribbed cans	BK-20	20 l
	BK-20-2sz	20 l
Euro cans	EK-5-IM**	5 l
	EK-6	6 l
	EK-10*	10 l
	EK-10-IM*	10 l
	EK-11	11 l
	3EK-20*	20 l
	3EK-20-M*	20 l
	3EK-22*	22 l
	3EK-23*	23 l
Other cans	VK-5	5 l
Canisters with taps	BK-20 with tap	20 l
	EK-20 with tap	20 l
Powder bottles	P-50	50 ml
	P-100	100 ml
	P-250	250 ml
	P-500	500 ml
	P-750	750 ml
	P-1000	1000 ml
	P-1500	1500 ml
	P-2500	2500 ml

SERIES	PRODUCT	CAPACITY
Liquid bottles	S-50	50 ml
	S-100	100 ml
	F-100	100 ml
	SP-500	500 ml
	K-0,2	200 ml
	K-1	1 l
	K-0,5	500 ml
	KD-1	1 l
	M-0,2	200 ml
	N-0,5	500 ml
	N-1	1 l
	ND-1	1 l
	2N-0,25	250 ml
	2N-0,3	300 ml
	2N-0,5	500 ml
2N-1*	1 l	
Tablet bottles	T-1200	1200 ml
	T-1700	1700 ml



* available in 2 versions: different filler opening sizes / caps

** available in 3 versions: different filler opening sizes / caps.

FIELD OF USE

Our plastic products have a wide range of uses: for example, they can be suitable for the packaging of food products (e.g. cooking oil, aromas), chemical products (e.g. engine oil, household chemicals, agrochemical products, disinfectant and cleaning solutions) and pharmaceutical products. A significant part of our product range is ADR certified, which allows for transporting certain dangerous substances (liquid or solid) by road (ADR), rail (RID), sea (IMDG code) and air (IATA DGR). All products may also be manufactured in custom colors.



BENEFITS

- **High quality:** our newly opened factory uses state-of-the-art technologies to produce our products
- **Excellent value for money:** get the best prices by buying directly from us, the manufacturer.
- **Professional experience:** more than 20 years of experience in plastics manufacturing.
- **Quality Assurance:** OETI, ADR certified products are extremely resistant to handling hazardous substances or those requiring special handling.
- **Sustainability:** our recyclable goods greatly reduce our environmental impact.
- **Practicality:** thanks to their design, they are easy to load and unload, and can even be stacked on pallets for easy transport.

Take a look at our range and feel free to contact us for professional advice to help you find the best packaging for your products.

Our products are designed to meet the specific needs of our customers. Whether you need to store small quantities of liquids or transport large quantities of industrial materials, we have the right packaging for you. Since our inception, we have been committed to high quality and durability. We offer a wide range of cans: polyolefin cans, powder flasks, liquid and tablet bottles and caps in a wide range of sizes and colours, making it easier for our partners to do their job. It makes a difference how different types of materials are stored or transported. Our high-resistance cans and cylinders are the right solution for the transport of hazardous substances with their ADR certification.

CANISTERS



RIBBED CANS

This product line got its name (BK-series) from its structure-stabilizing braces (ribs). This design is meant to provide a strong build while ensuring a comfortable grip and easy handling. The canisters' capacity ranges from 2 to 20 liters.



BK-20

CAPACITY	20 litres
ORIFICE	35 mm
CAP	PK-42
MATERIAL	HDPE
CERTIFICATION	ADR



BK-20-2sz

CAPACITY	20 litres
ORIFICE	35 mm, 28 mm
CAP	PK-42, D-36
MATERIAL	HDPE



BKNI-2

CAPACITY	2 litres
ORIFICE	35,8 mm
CAP	PK-42
MATERIAL	HDPE

EURO CANS

THIS PRODUCT CATEGORY INCLUDES PLASTIC EURO CANS, WHICH ARE ROBUST, STACKABLE AND SPACE-SAVING. THEY ARE AMONG OUR MOST POPULAR PRODUCTS DUE TO THEIR VERSATILITY. WHETHER YOU NEED TO STORE LIQUIDS, FOOD OR EVEN HAZARDOUS MATERIALS, OUR EURO CANS ARE GUARANTEED TO MEET THE NEEDS OF YOUR BUSINESS. THE USE OF OUR RANGE OF EURO CANS IS MADE EXTREMELY USEFUL BY THEIR VERSATILE CAPACITY, RESISTANT MATERIAL AND PRACTICAL SHAPE.



SHAPE AND DESIGN

The primary aspects of the design of this series, is that they are stable, easily stackable, and spacesaving. The 3EK-20-M, 3EK-22, and 3EK-23 products are versions of 3EK-20, a 20-liter can with extended sides (height). These variations were created for the packaging of compounds that foam when poured.

The 5, 10, 20, 22, and 23 liter pieces of the series are ADR certified.



EURO CANS

ADR certified

**EK-5-IM**

CAPACITY	5 litres
ORIFICE	35,8 mm
CAP	PK-42
MATERIAL	HDPE
CERTIFICATION	ADR

**EK-10**

CAPACITY	10 litres
ORIFICE	35,8 mm
CAP	PK-42
MATERIAL	HDPE
CERTIFICATION	ADR

**3EK-20**

CAPACITY	20 litres
ORIFICE	42 mm
CAP	PK-55
MATERIAL	HDPE
CERTIFICATION	ADR

**3EK-22**

CAPACITY	22 litres
ORIFICE	42 mm
CAP	PK-55
MATERIAL	HDPE
CERTIFICATION	ADR

**3EK-23**

CAPACITY	23 litres
ORIFICE	42 mm
CAP	PK-55
MATERIAL	HDPE
CERTIFICATION	ADR



EURO CANS



EK-5-(46)

CAPACITY	5 litres
ORIFICE	35,8 mm
CAP	PK-46
MATERIAL	HDPE



EK-5 IM (45)

CAPACITY	5 litres
ORIFICE	35,8 mm
CAP	PK-45
MATERIAL	HDPE



EK-6

CAPACITY	6 litres
ORIFICE	35,8 mm
CAP	PK-42
MATERIAL	HDPE



EK-10 (45)

CAPACITY	10 litres
ORIFICE	35,8 mm
CAP	PK-45
MATERIAL	HDPE



EK-10-IM

CAPACITY	10 litres
ORIFICE	35,8 mm
CAP	PK-42
MATERIAL	HDPE



EK-11

CAPACITY	11 litres
ORIFICE	35,8 mm
CAP	PK-42
MATERIAL	HDPE

EURO CANS



3EK-20 (61)

CAPACITY	20 litres
ORIFICE	46,5 mm
CAP	Din-61
MATERIAL	HDPE



3EK-20-M

CAPACITY	20 litres
ORIFICE	42 mm
CAP	PK-55
MATERIAL	HDPE



3EK-20-M (61)

CAPACITY	20 litres
ORIFICE	46,5 mm
CAP	DIN-61
MATERIAL	HDPE



3EK-22 (61)

CAPACITY	22 litres
ORIFICE	46,5 mm
CAP	Din-61
MATERIAL	HDPE



3EK-23 (61)

CAPACITY	23 litres
ORIFICE	46,5 mm
CAP	Din-61
MATERIAL	HDPE



CHEMICAL CAN

IN THIS PRODUCT CATEGORY YOU WILL FIND OUR CANISTER DESIGNED TO STORE CHEMICALS. THE RESISTANT BASE MATERIAL MAKES THIS A PRODUCT WITH A WIDE RANGE OF APPLICATIONS. WHETHER IT'S FOR SIMPLE LIQUIDS OR EVEN HAZARDOUS SUBSTANCES, OUR CHEMICAL CANISTER IS GUARANTEED TO MEET THE NEEDS YOU HAVE. THE EASY-TO-HANDLE SHAPE OF OUR CHEMICAL CANS MAKES THEM A PRACTICAL AND RELIABLE STORAGE CONTAINER, WHETHER IT'S FOR PACKAGING VARIOUS CHEMICAL PRODUCTS SUCH AS PESTICIDES, CAR CARE PRODUCTS OR VARIOUS DETERGENTS.



VK-5

CAPACITY	5 litres
ORIFICE	41 mm
CAP	PK-55
MATERIAL	HDPE
CERTIFICATION	ADR



Cansisters with taps

Our canisters may be modified by adding taps to them, which can be an ideal accessory for camping, caravans, trucks, etc. By using taps, you can avoid having to lift heavy cans and fill them more precisely.



BK-20 with tap

available with single or double orifices

CAPACITY	20 litres
ORIFICE	35 mm
CAP	PK-42 (+tap)
MATERIAL	HDPE



3EK-20 with tap

available with single or double orifices

CAPACITY	20 litres
ORIFICE	42 mm
CAP	PK-55 (+tap)
MATERIAL	HDPE

BOTTLES



THESE BOTTLES ARE DESIGNED FOR THE PACKAGING OF LIQUIDS, WHICH WE CLASSIFIED INTO SEVERAL FAMILIES BASED ON THEIR ORIFICE. WHILE THE F-, K-, AND S-SERIES HAVE A RELATIVELY SMALL OPENING, THE ORIFICE OF THE M-SERIES IS MEDIUM AND THE N-SERIES' IS RELATIVELY LARGE.

N-series



K-series



S,F,M-series



N-series

The N-series consists of bottles ranging from 0,25 to 1 liter in capacity, with relatively large orifices. The complimenting caps of the N-bottles are provided with tamper evident bands, while the caps of the 2N-bottles are not, these being most commonly used for induction heat sealing.



The bottle's massive build and dimensions allow for a wide range of use. The product line is suitable for packaging of chemicals, agrochemical products, diagnostic substances, disinfectant and cleaning solutions, and pharmaceutical products.



2N-0,5

CAPACITY	5 dl
ORIFICE	38,5 mm
CAP	PK-46
MATERIAL	HDPE
CERTIFICATION	ADR



2N-1

CAPACITY	1 L
ORIFICE	38,5 mm
CAP	PK-46
MATERIAL	HDPE
CERTIFICATION	ADR



N-0,5

CAPACITY	5 dl
ORIFICE	37,5 mm
CAP	PK-42
MATERIAL	HDPE



N-1

CAPACITY	1 l
ORIFICE	37,5 mm
CAP	PK-42
MATERIAL	HDPE



ND-1

CAPACITY	1 l
ORIFICE	33,5 mm
CAP	PK-43
MATERIAL	HDPE



2N-0,25

CAPACITY	2,5 dl
ORIFICE	38,5 mm
CAP	PK-46
MATERIAL	HDPE



2N-0,3

CAPACITY	3 dl
ORIFICE	38,5 mm
CAP	PK-46
MATERIAL	HDPE



2N-1 (45)

CAPACITY	1 l
ORIFICE	38,5 mm
CAP	DIN 45, DIN-45 with valve
MATERIAL	HDPE

K-series

The K-series consists of bottles ranging from 0,2 to 1 liter in capacity, with relatively small orifices. The series may contain bottles with same capacity and different circumference.

The bottle's massive build and dimensions allow for a wide range of use. This product line is suitable for packaging of chemicals, agrochemical products, diagnostic substances, disinfectant and cleaning solutions, and pharmaceutical products.

Resistance

Due to their material, these products show resistance to aqueous solutions of inorganic salts, organic acids, and alkalis, as well as organic liquids such as alcohols, esters, and ketones, even in higher concentrations and/or temperatures.

Shape and design

The orifices are designed in a way that when the bottles are filled to their nominal capacity and tipped 45°, their contents will start to pour. This way we can ensure that the contents will flow in a steady stream.



K-0,2

CAPACITY	2 dl
ORIFICE	24 mm
CAP	DK-32
MATERIAL	HDPE
CERTIFICATION	ADR



K-1

CAPACITY	1 L
ORIFICE	21,5 mm
CAP	Gyz-28/ PC-28
MATERIAL	HDPE



KD-0,5

CAPACITY	5 dl
ORIFICE	24 mm
CAP	DK-32
MATERIAL	HDPE



KD-1

CAPACITY	1 l
ORIFICE	24 mm
CAP	DK-32
MATERIAL	HDPE

POWDER BOTTLES / P-series

In this category you will find our plastic powder bottles in different sizes. Our products are extremely popular due to their reliability, robust shape and solid design. They are mostly used for filling powders, granules, liquids and gels due to their wide pouring openings / orifice. Screw top designs allow packaging of materials of different consistencies and volumes in a wide range of sizes through their variable opening sizes and angular shapes, which allow them to be easily transported in a collapsible packaging.



Proposed are of use

The bottle's massive build and dimensions allow for a wide range of use. This product line is suitable for packaging of chemicals, agrochemical products, diagnostic substances, disinfectant and cleaning solutions, and pharmaceutical products.



P-50

CAPACITY	50 ml
ORIFICE	24 mm
CAP	DK-32
MATERIAL	HDPE



P-100

CAPACITY	100 ml
ORIFICE	24 mm
CAP	DK-32
MATERIAL	HDPE



P-250

CAPACITY	250 ml
ORIFICE	27 mm
CAP	PK-42
MATERIAL	HDPE



P-500

CAPACITY	500 ml
ORIFICE	41,5 mm
CAP	PK-55
MATERIAL	HDPE



P-750

CAPACITY	750 ml
ORIFICE	41,5 mm
CAP	PK-55
MATERIAL	HDPE



P-1000

CAPACITY	1000 ml
ORIFICE	42 mm
CAP	PK-55
MATERIAL	HDPE



P-1500

CAPACITY	1500 ml
ORIFICE	67 mm
CAP	PK-80
MATERIAL	HDPE



P-2000

CAPACITY	2000 ml
ORIFICE	69 mm
CAP	PK-80
MATERIAL	HDPE



Tablet Bottles

These products are designed in a way that the diameter of their body and their orifice are approximately the same. Therefore the orifice is considered relatively large (\varnothing 83mm). This design is ideal for the packaging of granules and tablets.

Resistance

Due to their material, these products show resistance to aqueous solutions of inorganic salts, organic acids, and alkalis, as well as organic liquids such as alcohols, esters, and ketones, even in higher concentrations and/or temperatures.



T-1200

CAPACITY	1200 ml
ORIFICE	83 mm
CAP	TK-90
MATERIAL	HDPE
CERTIFICATION	ADR



T-1700

CAPACITY	1700 ml
ORIFICE	83 mm
CAP	TK-90
MATERIAL	HDPE
CERTIFICATION	ADR

S, F, M SERIES

The products of the F and S series are small capacity bottles between 50-100 ml, with a small filling opening. On the other hand, our M-0.2 product, with its capacity of 200 ml, completes the product portfolio with a large filling opening.

The bottle's massive build and dimensions allow for a wide range of use. This product line is suitable for packaging of chemicals, agrochemical products, diagnostic substances, disinfectant and cleaning solutions, and pharmaceutical products.

S-50

CAPACITY	50 ml
ORIFICE	20 mm
CAP	Gyz-28 / PC-28
MATERIAL	HDPE



S-100

CAPACITY	100 ml
ORIFICE	20 mm
CAP	Gyz-28 / PC-28
MATERIAL	HDPE



S, F, M SERIES

F-100

CAPACITY	100 ml
ORIFICE	21,5 mm
CAP	Gyz-28 / PC-28
MATERIAL	HDPE



M-02

CAPACITY	200 ml
ORIFICE	26,2 mm
CAP	PK-40
MATERIAL	HDPE



SP-500

CAPACITY	500 ml
ORIFICE	21 mm
CAP	Gyz-28
MATERIAL	HDPE



CAPS

OUR CAPS ARE AVAILABLE IN VARYING HEIGHTS AND DIAMETERS TO FIT THE NECK AND ORIFICE OF THE BOTTLE OR CAN OF YOUR CHOICE. IN TERMS OF THEIR BASE MATERIAL, THA CAPS ARE MOSTLY POLYPROPYLENE (PP), WHILE THE GASKET IS A POLYETHYLENE (PE) FOAM LINING OR, IF REQUIRED A HIGH FREQUENCY FOIL CLOSING (FOR INDUCTION SEALING).

One way to indicate whether the package is unopened before use is by adding a tamper evident band to the caps, or providing them with a high frequency foil lining, which enables induction sealing. Closures not fitted with tamper-evident bands and lined by simple PE foam seal are used in cases where ensuring non-opening before use is not crucial.


D-36

AVERAGE	36 mm
MATERIAL	PE


D-32

AVERAGE	32 mm
MATERIAL	PP


GyZ-28

AVERAGE	28 mm
MATERIAL	PE


KCsK

AVERAGE	42 mm
MATERIAL	HDPE


PC-28

AVERAGE	28 mm
MATERIAL	PP


PK-40

AVERAGE	40 mm
MATERIAL	PP


PK-42GyZ

AVERAGE	42 mm
MATERIAL	HDPE


D-PK-42

AVERAGE	42 mm
MATERIAL	PP


PK-46

AVERAGE	46 mm
MATERIAL	PP


PK-55

AVERAGE	55 mm
MATERIAL	PP


PK-80

AVERAGE	80 mm
MATERIAL	PP

COSTUM PRODUCTS

If you haven't found the perfect packaging solution among our existing products, or if you want to showcase your merchandise in a custom-designed package, our company is ready to turn your ideas into reality. We specialize in tailor made packaging solutions, ensuring that your product stands out with a design that aligns perfectly with your brand identity and functional needs.

Our experienced team will guide you through the entire development process from concept creation and material selection to mould design and production. Whether you need special shapes, unique branding elements, or enhanced durability, we provide expert consultation and state of the art manufacturing to bring your vision to life.

With our commitment to quality and innovation, we work closely with you to develop a solution that is both aesthetically appealing and highly functional.

Let's create a packaging solution that truly represents your brand!





Micro-Plast

Micro-Plast Plastic Products
Manufacturing and Distribution Ltd.

Address: Hungary – 2151 Fót, Szent Imre str. 38.

Tel.: +36 27 361 264

Mobil (HUN): +36 70 772 8607

Mobil (ENG): +36 70 633 4730



e | iroda@microplast.hu **w** | www.microplast.hu

