extrusion bags flow pack



flexible packaging HDPE doypack LDPE barrier vacuum bags bags on roll PE films bottom web films lamination

FLEXO PRINTING barrier films

water quenched blown film line promotional carrier bags



FLEXIBLE RESPONSIBLE CREATIVE PACKAGING





THE **ESSENCE**is (IN) THE **PACKAGING**

Foka Ltd. is a major flexible packaging manufacturer of single layer and multi-layer packaging, ready-made bags and pouches. The enterprise has a total area of 18.000 m² (8.000 m² indoors and 10.000 m² outdoors) and is equipped with the most modern high-quality and high-tech machines. In a highly competitive market, by constantly investing in cutting-edge technology and product development according to specific customer requirements, we have become the leading producer of flexible packaging in the Western Balkans.

We understand the needs of buyers and end users, therefore, offering great service and product is our priority. We are committed to find creative packaging solutions for every new challenge, and as a result of that, leading brands in food and other industries rely daily on our packaging. We offer our clients specific solutions that will remarkably add value to their products.

Expertise

FOKA LTD.
has been operating
on the market
SINCE 2000.

qualityaustria

SYSTEM CERTIFIED

FSSC 22000 No.00133/0
ISO 9001:2015 No.19610/0

Know-how

Production of packaging solutions tailor-made to

SPECIFIC CUSTOMER REQUIREMENTS

Value

200 employees

Breakdown of business

Flexible FOOD packaging 70%, NON-FOOD packaging 30%

Advantage

Production of MEDIUM AND HIGH BARRIER FILMS (EVOH) unprinted or printed

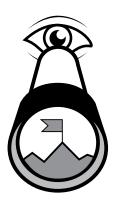
Quality Standards

We have been successfully certified with ISO Quality Certificates 9001:2015, and FSSC 22000. We conduct reliable packing manufacturing for all our customers at world standards and we are dedicated to continually improving the integrated quality and food safety management system. Through technological developments and continuous improvement of our products and services we are dedicated to get the confidence of fully audited packaging that meets the increasing safety, quality and traceability requirements of our customers.

Mission & Vision

Sustainable packaging **Solutions**

Packaging **Innovations**







Our vision is focused on achieving the market leading position through creating and forecasting needs of the market, continuous growth of business both in the country and abroad and establishment of high business standards

Our mission is to fulfill customer's expectations through a wide range of high-quality products, minimal delivery times and continuous investment in new production technologies. Taking care of the interests of our employees and associates as well as the community in which we perform our core business we take as an indispensable link of our business.

By producing all the thinner films and improving the performance of products, as well as recycling of waste in production, we reduce the impact of packaging on the environment. In addition, most of our packaging can be recycled.

As a socially responsible company, we believe that business growth and development should be sustainable both from an economic and ecological point of view.

We are committed to maintaining the highest level of integrity throughout all aspects of our business.

In Foka we put a strong emphasis on research and development and are focused on the production of new films and foils adapted and tailored to the specific requirements of our customers, as well as the constant optimization and improvement of existing products so that we not only meet but also exceed our customers' requirements. Packaging must also add values throughout the supply chain, making distribution to environmental impact. Therefore, we are constantly seeking for packaging innovation with the essence of Foka packaging intelligence.

Full Integration Across the Value Chain



When it comes to packaging – single size does not suit everyone. Our team will find the solution tailored to your product. Our aim is that our packaging enhances the brand and increases the market positions of each of our customers. That's why leading producers in more than twenty different industries have given us confidence. We produce 1,200 different materials adapted to more than 16,000 packaging solutions. We operate in more than 15

countries across the world, and more than a quarter of the total output is being exported.

We strive to establish strong, long-term relationships with our customers and suppliers who offer packaging solutions that meet and exceed their specific expectations.

That's why use to say:

The essence is in the packaging.

EXTRUSION

process

According to the packaging requirements of your product, low and/or high density polyethylene raw materials with various properties are converted to single mono-layer or multi-layer films using the blown co-extrusion three, seven and nine layer technique.

The physical characteristics of the material are produced using specific techniques in this department with knowhow expertise and capabilities of the experienced Foka

WE PRODUCE 8.000 TONS PER YEAR

Extrusion Team with R&D Department. We highly focus on: material strength tear off and puncture resistance and elongation properties by adequate formulations.

For production of barrier film, we use water instead of air to cool the bubble. Its advantage is extremely fast cooling that keeps the crystallinity of the film, low while maintaining its amorphous nature. The result is superb film with high clarity and gloss and exceptional puncture and tear resistance.

PRE PRINTING

process

Foka's in-house pre-printing design studio shape the whole process required for each product design in order to get the best packaging for each customer's product. This Department serves its clients with latest version of Adobe

PLATE PRODUCTION SIZE IS 77 X 1036 MM

Creative Cloud.

GMG OpenColor and GMG FlexoProof are in use for the trial prints. We produce printing plates with Kodak Thermoflex NX System and plate production size is 77 x 1036 mm.









FLEXO printing process

Foka is highly recognized for its extensive experience in printing technologies and solutions, as a result of close tracking of innovations in printing technologies and ability to design the printing process for the optimum results. We have always believed in the importance of this area and had

PRINTING UP TO 1320 MM PRINTING WIDTH AND IN 8 COLORS

invested significant resources in order to achieve the highest level of excellence in printing. We provide the possibility of printing up to 1320 mm printing width and a repeat length of 1130 mm in up to 8 colors process. Capacity of print is 100 mil m/year.

SLITTING

process

Foka's slitter rewinders are used to prepare single or multi-layer reels with required widths for automatic filling machines. High performance slitting lines meet different customer expectations. HIGH PERFORMANCE SLITTING LINES MEET DIFFERENT CUSTOMER EXPECTATIONS

LAMINATION process

FOKA HAS TWO-LAYER, THREE-LAYER & FOUR-LAYER LAMINATION POSSIBILITIES

Foka can laminate tailored combinations to extend shelf life stability, even increase packaging line productivity and maximize the shelf appeal of brand identity. Foka has two-layer, three-layer and four-layer lamination possibilities. According to customer's request lamination is with adhesives, with solvents or solvent free.

Internal LABARATORY

We are dedicated to the production of best quality packaging that enables not only that packed content arrives safely to the destination, but also that the packaging is made of the highest quality raw materials, using the top technology and examples of best practice.

We have 24/7 control at every production line: we control thickness, mixing ratio and adhesive application on laminated films, lamination bond, tensile strength at break, elongation at

break, coefficient of friction, modulus of elasticity, puncture resistance, the surface tension. In our Internal Laboratory we also do standard Test Method for Detecting Leaks in Nonporous Packaging or Flexible Barrier Materials, tests on anti-fog for determination the best sealing parameter and hot tack properties, pasteurization tests... We leave nothing to chance because our customers deserve only the best.









CONVERTING

process

Continuously extending wide range of converting lines, Foka is known as a benchmark company with almost endless converting options with Stand-up pouches; Zipper bags; Side gusset

bags; 2 or 3 side sealed vacuum bags; Carrier bags: Punched out and reinforced patch handle bags, Flexi-loop handle bags, Vest type shopping bags; Oxo degradable bags...

RECYCLING

process

We are committed to protecting the environment and continuously work to reduce our environmental impact and use of natural resources. We have a long-term vision of reaching zero waste at our production. We continuously optimize our

WE CAN RECYCLE UP TO 220-270 KG PRODUCTION WASTE PER HOUR

resource efficiency and reduce the amount of waste resulting from our production. Our cutting-edge technology machine recycles LLDPE, LDPE, HDPE single and / or multilayer blown films.

LOGISTIC

department



The logistics operations take place in an over $2.000~\text{m}^2$ closed area with 2.900~pallets stock capacity. Product traceability, safe transportation and high speed delivery are core values for our Logistic department.









Recyclable films produced by Foka d.o.o. is adapted to the strict requirements of the food packaging industry where plastics are still necessary to ensure the highest level of food safety and reduce food waste due to its spoilage. The goal of the development was to offer customers recyclable solutions without reducing the effect of the high barrier.

CERTIFICATE

Recyclability of Packaging

FOKA d.o.o. Kragujevačka 10 32300 Gornji Milanovac | Serbia

The company receives the certification of recyclability for the following packaging.

Designation

FokaBAR TF | in sizes > DIN A5 and ≤ DIN A4 unprinted and unlabelled film in the final application as film bag for food packaging

Test result

Permitted in sort/specification: Allocation to LDPE Fraction (e.g. Fraction No. 310 (DE)

Mixed Polyolefins, Fraction No. 323 (DE)

Flexible Polyolefin Items, Fraction No. 323-2 (DE)

Assessment via path: Path 1: Plastic films / LDPE

Path 7: Mixed Polyolefins / Mixed Plastics, fexible

Recyclate (final product): LDPE / PO regranulate

Test standard / scope of application:

Requirements and assessment catalogue of the institute cyclos-HTP for EU-wide certification (state 14.09.20).
Scope of validity according to nation states, see chapter 1

Within the certification process, conformity with the following standards was also checked:

- Minimum standard for measuring the recycling capacity of the ZSVR (state 31.08.2021); also integrated
- DIN EN 13430 with regard to material recyclability in the post-use phase; also integrated
- □ Under consideration of COTREP Recyclability of Plastic Packaging; on request
- ☐ Under consideration of APR Design® Guide for Plastics Recyclability; on request

According to the CHI standard the recyclability of the packaging amounts to:

Path 1:

95 %

(BE, DE, ES, FR, IT, NL)

Path 7:

71 %

ATI

In accordance with the test results the potential recyclate yield of the packaging amounts to 100 %. This certificate (No. 2579-2022-002875) is valid until the 30/04/2023 (1 year upon issue) for the countries is brackets above; for the countries shown in italics, the existence of a recycling infrastructure cannot be assumpredominant. This certificate will lose validity in case of qualitative or quantitative changes of packaging composite or decoration.

Aachen, dated 27/04/2022

Institute cyclos - HTP

Institute cyclos-HTP GmbH Maria-Theresia-Allee 35 - 52064 Aachen phone: +49 (0) 241 / 949 00 - 0 fax: +49 (0) 241 / 949 00 - 49

Dr. Joachim Chifstein and Dr. Joachim Chifstein and Sworn expert for the IHK for packaging wash disposal Competent authority. IHK Appren

The detailed results are documented in the corresponding test report (No. 2579-2022-002875).

BOTTOM WEB FILMS

FokaBAR TF is a fully recyclable bottom film for thermoforming - 9-layer coextruded film produced on extruders of the latest technology. When used in combination with films such as Foka's top 77 recyclable film it creates a packaging solution that is completely recyclable. It is suitable for various products such as fresh and processed meat, fish, cheese and much more.

FokaBAR TF Film is available in thickness from 130µ to 250µ

ADVANTAGES

RECYCLABLE

It can be produced with an easy-open effect

Retains barrier properties after thermoforming

Available in colours (at customer's request)

High transparency

TOP WEB FILMS

FokaTOP 77, classified as having excellent recyclability, is just one of the successful products developed as part of the Foka d.o.o. rethink initiative. This, environmentally friendly recyclable Top Web film is highly transparent, with high barriers and superior transparency whilst reducing environmental footprint. Combined with FokaBAR TH, a recyclable bottom foil for thermoforming, it makes the packaging completely recyclable.

FokaTOP 77 is available in thickness from 65µ to 105µ

Barrier and high

Excellent puncture resistance of the material

FokaTOP 77 is available in thickness from 65µ to 105µ

IJV protection

I RECYCLABLE

barrier to oxygen

Excellent integrity and strength of seals

Improved mechanical properties

of materials prolong the shelf

life of the packed product

Other properties as per customer specific requirements

Anti-foa

FLOWPACK

In collaboration with its customers. Foka d.o.o. rethinks existing solutions and replaces them with sustainable, holistic packaging concepts, Our recyclable flow-pack film is a highly transparent, PA free high barrier film optimal for vertical and/or horizontal oriented packaging machines.

Foka's Recyclable Flow Pack Film is available in thickness from 70µ to 95µ

Barrier and high barrier to oxvoen and water vapour

Excellent integrity and strength of seals

Hot tack

Improved mechanical properties of materials prolong the shelf life of the packed product

UV protection (per customer requirements)

Excellent puncture resistance of the material

Other properties as per customer specific requirements



RECYCLABLE







Foka's recyclable films also provide unrestricted performance: oxygen and water vapour barriers of different levels are possible. and with its wide sealing range, it can be processed efficiently and reliably on existing flow-wrap packaging lines. A masterly finishing - using flexoprinting - ensures an eye-catching presentation at the point of sale.

CERTIFICATE

Recyclability of Packaging material

FOKA d.o.o. Kragujevačka 10 32300 Gornji Milanovac | Serbia

The company receives the certification of recyclability for the following packaging material.

Designation

FokaTOP 77 - Lidding film without printing

Film in the size range of > DIN A5 and ≤ DIN A4 for bags or for packaging as a top and bottom foil Packaging film; additional printings or labels can affect the recyclability of the final packaging

Test result

Permitted in sort/specification:	Allocation to LDPE- Fraction (e.g. Fraction No. 310 (DE)) Mixed Polyolefins, Fraction No. 323 (DE) Flexible Polyolefin Items, Fraction No. 323-2 (DE) Path 1: Plastic films / LDPE Path 7: Mixed Polyolefins / Mixed Plastics, fexible		
Assessment via path:			
Recyclate (final product):	LDPE / PO regranulate		

Test standard / scope of application:

Requirements and assessment catalogue of the institute cyclos-HTP for EU-wide certification (state 14/09/2021) / Scope of validity according to nation states, see chapter 1

Within the certification process, conformity with the following standards was also checked:

- Minimum standard for measuring the recycling capacity of the ZSVR (state 31/08/2021); also integrated
- ☑ DIN EN 13430 with regard to material recyclability in the post-use phase; also integrated

According to the CHI standard the recyclability of the packaging amounts to:

Path 1:

Path 7:

92 % (BE, DE, ES, FR, IT, NL)

77 % (AT)

In accordance with the test results the potential recyclate yield of the packaging amounts to 100%.

This certificate (No. 2579-2022-002883) is valid until the 30/04/2023 (1 year upon issue) for the countries listed in brackets above; for the countries shown in *italics*, the existence of a recycling infrastructure cannot be assumed as predominant. This certificate will lose validity in case of qualitative or quantitative changes of packaging components.

Aachen, dated 26/04/2022

Revised: 27/04/2022

Dr. Roland Bothor

Dr. Roland Bothor

Publicly appointed and whom expert for the lifk to packaging waste disposale.

Competent authority: IHK action.

Institute cyclos - HTP

Institute cyclos-HTP GmbH Maria-Theresia-Allee 35 - 52064 Aachen phone: +49 (0) 241 / 949 00 - 0 fax: +49 (0) 241 / 949 00 - 49

The detailed results are documented in the corresponding test report (No. 2579-2022-002883).

TOP LIDDING FILMS

Foka d.o.o. developed the original recyclable lidding film representing a major development in sustainable packaging. Our latest PA free solution for the lidding film has excellent transparency, with an integrated high barrier layer for an exceptional level of product protection.

Recyclable Lidding Film produced by Foka d.o.o. is adapted to the strict requirements of the food packaging industry where plastics are still necessary to ensure the highest level of food safety and reduce food waste due to its spoilage. The goal of the development was to offer customers recyclable solutions without reducing the effect of the high barrier.

Recyclable Lidding Film produced by Foka d.o.o. is available in thickness from 65µ to 105µ.

VACUUM BAGS

The latest products in our product family, recyclable vacuum bags with a thickness range from 65 to 155 µm are PA-free and have high barrier properties, whilst reduced CO2 footprint. This, environmentally friendly recyclable vacuum bags are highly transparent, with high barriers and superior transparency.

Our recyclable vacuum bags have a major development in sustainable packaging. Our latest PA-free solution for vacuum bags has excellent transparency, with an integrated high barrier layer for an exceptional level of product protection.

Recyclable vacuum bags are available in thickness range from 65μ to 105μ .

MATERIAL PROPERTIES

| RECYCLABLE

High barrier to oxygen and water vapour

Improved mechanical properties of materials prolong the shelf life of the packed product

Excellent integrity and strength of seals

Other properties as per customer specific

requirements

UV protection

Anti-fog

Easy open

RECYCLABLE

High barrier to oxygen and water vapour

Improved mechanical properties of materials prolong the shelf life of the packed product

Excellent integrity and strength of seals

Other properties as per customer specific requirements

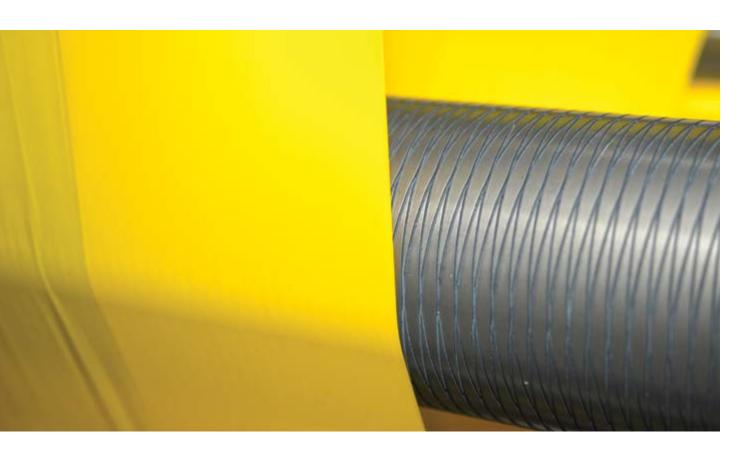












HDPE

LDPE

Structure HDPE

Thickness 8-100 µm

Structure LDPE

Thickness 20-200 µm LDPE

coextruded

Structure LDPE/LDPE/LDPE

Thickness 20-250 µm **SHRINK**

films

Structure

LDPE/LDPE/LDE

Thickness 30-150 µm

BARRIER FILMS



TOP WEB FILMS

Coextruded top films

PA/PE 70-85 μm PA/EVOH/PE 60-150 μm **Two-layer laminates** top web PET laminates

PET // PE/EVOH/PE

45-135 μm

Two-layer laminates top web oPA laminates

oPA // PE

48-138 μm











BOTTOM WEB FILMS

Medium barrier bottom film

PA/PA/PE 100-300 um

High barrier bottom film

PA/EVOH/PE 70-300 um PE/PA/EVOH/PA/PE 100-300 µm PP/EVOH/PA/PE 100-300 µm







 unprinted · reverse or surface print



 transparent tinted



pasteurization



UV protection

FLOW PACK

Flow pack with PET

PET // PE/EVOH/PE 45-115 µm

Flow pack with oPA

oPA // PE 58-128 µm



 unprinted · reverse or surface print

· hot tack

- transparent tinted



· anti fog

VACUUM BAGS

Medium barrier vacuum bags

PA/PA/PE 60-150 um

High barrier vacuum bags

PA/EVOH/PE 60-150 um

PET laminated vacuum bags

PET // PE/EVOH/PE 45-155 µm



- · medium barrier
- unprinted · high barrier · reverse or surface print







zip

· transparent · pasteurization tinted

BARRIER LAMINATES

Two-layer laminates

PET laminated barrier films (high barrier) PET // PE/EVOH/PE 45-135 µm

Three-laver laminates

barrier laminates (high barrier)

PET // PETmet // PE/EVOH/PE 90-130 um

Two-layer laminates

oPA laminated barrier films (high barrier)

oPA // PE/EVOH/PE 63-138 µm

Two-layer laminates

oPA laminated barrier films (medium barrier)

oPA // PE 48-138 µm



 unprinted · reverse or surface print



 transparent tinted



· easy open



· anti fog

NON BARRIER LAMINATES

PET laminates

PET // PE 40-175 μm PET // PETmet // PE 60-160 µm

PE laminates

PE // PE 68-163 um

oPP laminates

oPP // oPP 43-78 um oPP // PE 68-163 um

oPP // PPc 48-73 μm



- unprinted
- · reverse or surface print



repasteurization



- · transparent
- tinted



UV protection



FOKASKIN SECOND SKIN TO YOUR PRODUCTS

FokaSKIN top film is designed for sealing to rigid PET/PE trays in vacuum skin applications as well as on carboards trays. Perfect for meat, fish, and poultry products that require a longer shelf-life and can reduce your storage and distribution issues. Looks fantastic on the shelf and enables the retailer to stack it on its side, with no leakages or liquid gathering at the base of the tray. No pads are required, thereby reducing your need for additional packaging, and works towards reducing food waste.

FokaSKIN film is extremely versatile, suitable for multiple applications but most popular for use with fresh & processed meat, poultry, fish, ready meals, cheeses, and appetisers. Retail presentation and extended shelf life are also vital to help consumers make the right purchasing decision. Now, you can give your food products the best kind of promotion, the opportunity to see them close-up in all their glory, through a second skin.

ADVANTAGES

RETAIL

- Vertical product presentation, ensures an attractive presentation at POS
- Maximum shelf life
- Prevents the product from leakage
- Skin film for use on cardboards and rigid PET/PE trays or other types containers, according to the customers request.

PRODUCER

- Low transport volumes compared to MAP
- High performance skin film
- Cardboard and rigid PET/PE trays or other types containers, according to the customers request.
- Perfect performance on the packaging lines with a wide processing window

CONSUMER

- Attractive product presentation created instant appeal
- Maximum shelf life

SOCIETY

- Reduction of food waste
- Contributes to sustainable packaging

APPLICATION

















Building & Construction Industry



PROMOTIONAL CARRIER BAGS







Flexi Loop Handle Bags

Die Cut Handle Bags Vest/T-shirt Carrier Bags

- Promotional carrier bags made by Foka are a great choice for your brand promotion. By combining the highest-quality materials with top-quality printing, our bags enhance your brand and communicate your advertising message long after the customer exits your shop. The advertising carrier bags we produce are competitively priced, and in terms of quality without competition on the market.
- we use a choice of low density polyethylene (LDPE), high density polyethylene (HDPE) and co-extruded materials for carrier bags production
- polyethylene promotional bags prolong the lifespan of your promotional message
- polyethylene bags occupy 1/7 of the space required for storing the same number of paper bags and thus reduce the costs of transport and storage
- our bags are fully recyclable, and thanks to the latest technologies we use, their decomposition period has been reduced to four years only

DOYPACK BAGS



Foka's doypack bags are practical, high quality and cost effective. They have become an increasingly popular packaging solution for a wide range of products. They have bottom gusset and the front and back sides are suitable for advertising that will differentiate your product from the competition and make it stand out on a crowded shelf. The dimensions of the bags are precisely determined according to the requirements of the product being packed, while the

safety of the packaged product is priority. This packaging provides an excellent barrier to oxygen, moisture, aroma, light...

- customed shape and size
- doypack bags preserve the freshness of the food products and prolong shelf life of the packaged content
- high barrier

SPOUTED STAND UP POUCHES

RECHARGE • REFILL

Spouted Stand Up Pouches are an ideal choice for packaging a wide range of products from liquids to powder products, as they are an innovative alternative to glass, metal, and plastic bottles. The pouch itself is impressive and stands out on store shelves. It is easy to use, takes up less space, is efficient and cost-effective.

Spouted pouches are available in different shapes and sizes and are made of the highest quality materials with excellent barrier properties to oxygen, moisture and light.

ADVANTAGES

EASY FILL SPOUT

Choose to place the spout in the middle or in the corner of the pouch.

PRINT

The pouches are available in matte, glossy, unprinted, or printed version (8 + 8 colours).

FOOD SAFETY MATERIALS

All our spouted pouches are manufactured using the highest quality materials in the production facility accredited by the FSSC.

COMMON APPLICATION

Soups, sauces, spices, baby food, fruit purees, ice cream, cereals, salad dressings and so many more. Proteins and other food supplements.

Shampoos, dishwashing liquids, sunscreens, etc.

Spouted Stand Up Pouches are available in several standard shapes and sizes, but we can also form shapes according to your preference to meet the requirements of your brand and increase the attractiveness of your products on the shelves. Choose between clear window on the pouch, round corners, centrally or corner placed spout, size and shape of the handle.









customized up to 5L



Different Handle Options



Low Carbon Footprint



Perfect Shelf Appeal

BAGS ON A ROLL



Freezer bags

Freezer bags are part of our standard production range. We manufacture them from high density polyethylene (HDPE) and deliver on rolls.

Garbage bags

Part of the standard production assortment of "Foka" Ltd. make also garbage bags and freezer bags on rolls. They are produced from high density polyethylene, they are very thin but highly endurable. Garbage bags are produced in standard black color, but according to the customer's specific request, they can be made and delivered in other colors as well.





































































































THE ESSENCE is (IN)
THE PACKAGING



For further product information, please visit

www.foka.rs



