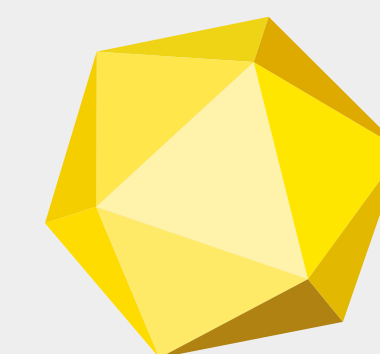


MEMBER OF *Constantia* INDUSTRIES

PORTRAIT



ISOKON
INNOVATIVE PLASTICS SOLUTIONS

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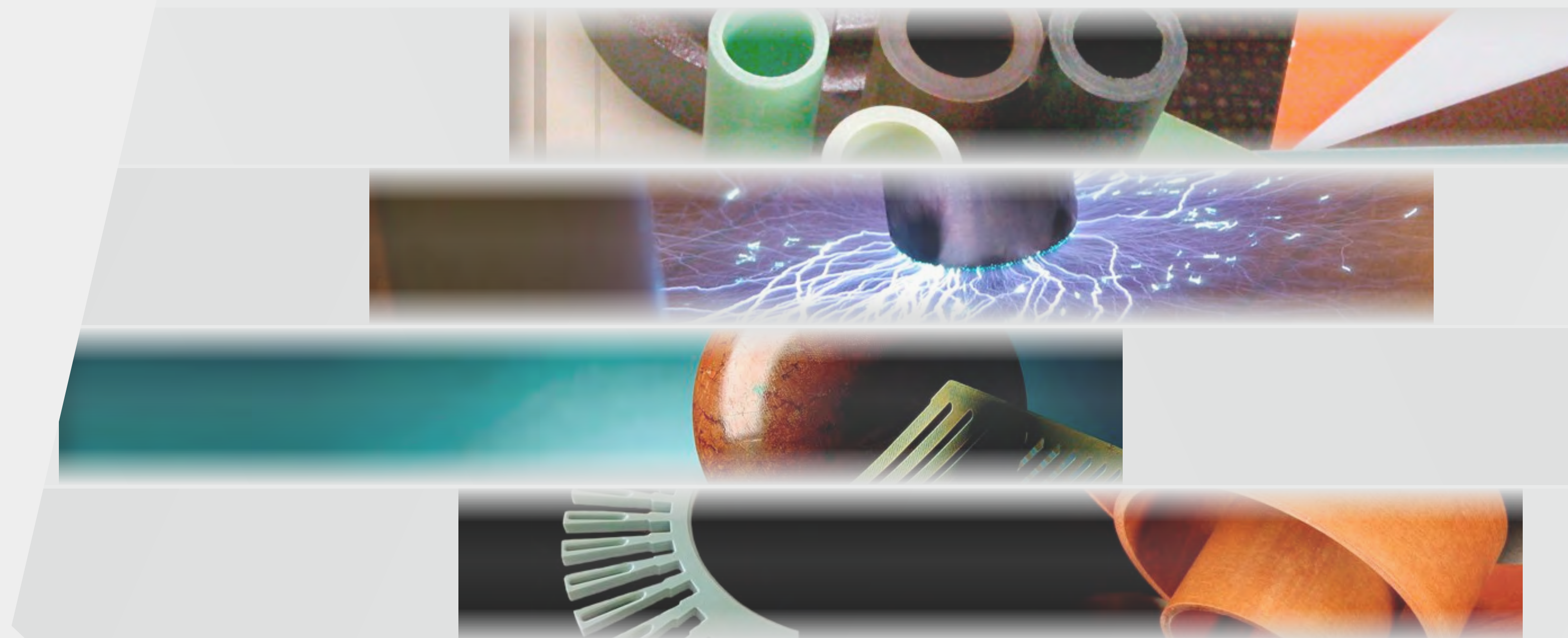
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Privately held Austrian
corporation since
more than 40 years

INTERNATIONAL FOCUS

Clients in numerous industries

- Construction & Furniture
- Sport & Leisure
- Machinery industry
- Aviation & Transportation
- Electrical industry
- Photovoltaics



Overview

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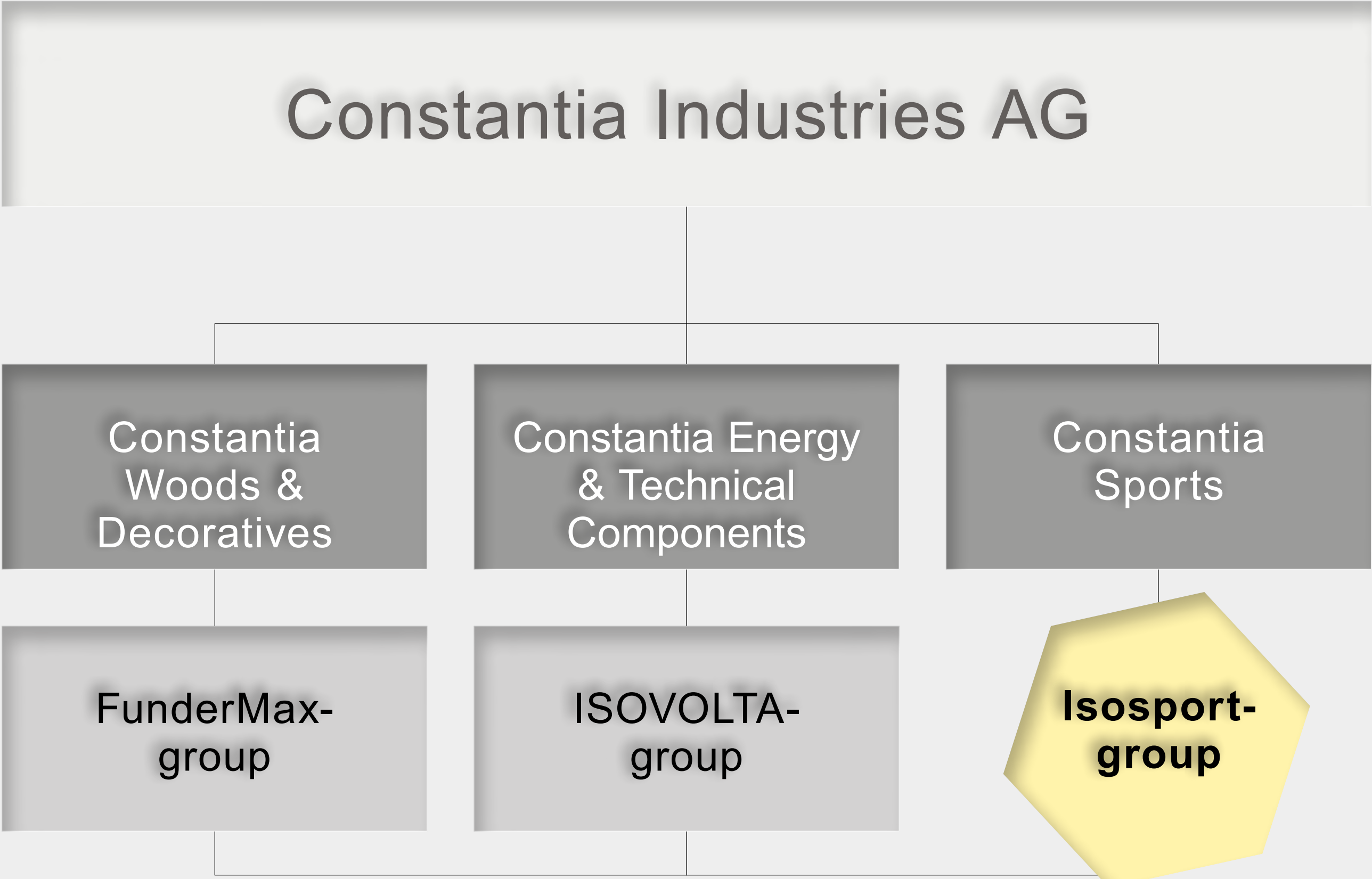
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Key figures 2015:
Revenues: € 103,9 Mio.
Employee: 157

CIAG 2015:

Revenues: € 705,9 Mio.

Employees: 2965

* excl. DOP (Discontinued Operations)



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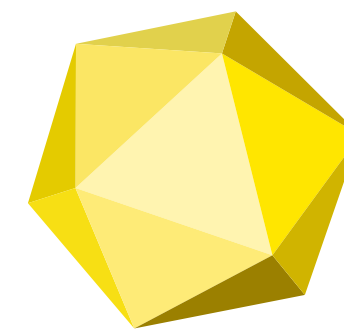
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Constantia Sports



ISOSPORT
INNOVATIVE PLASTICS SOLUTIONS

Market leader for ski and snowboard
modules of thermoplastic synthetics
and thermoset composites

Key figures 2015

Revenues € 81,5 Mio.

Employees 409

BUSINESS DIVISIONS

Sports

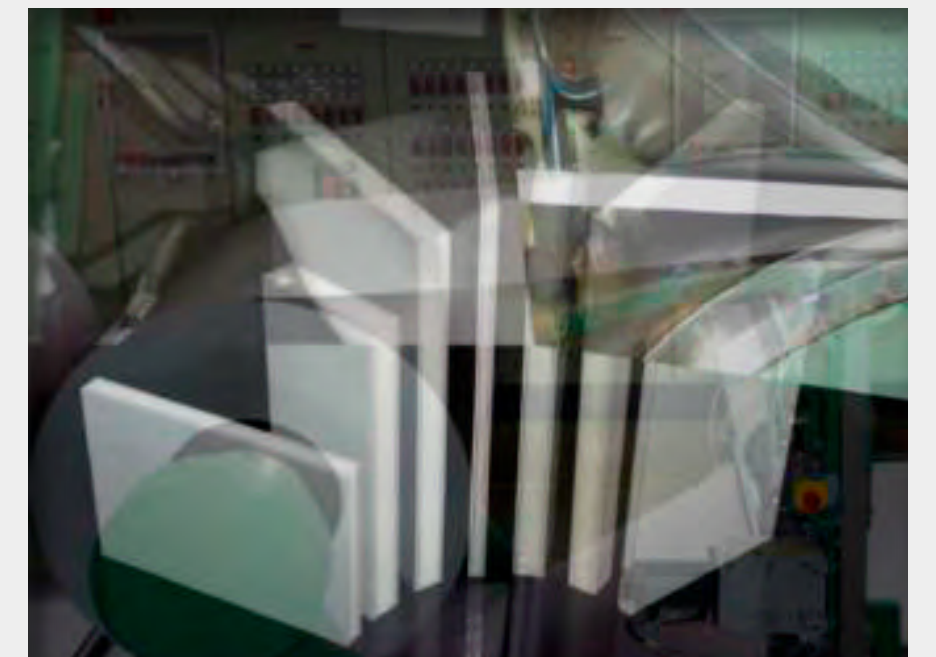
World market leader in composites for the ski, snowboard and water ski industry; high quality raw materials, state-of-the art technology and innovative ideas are the guarantee for consistent high product quality.

Sandwich laminates

Sandwich boards with high mechanical strenght and rigidity as well as low weight such as for formwork for the transportation sector.

Engineering plastics

Standard boards and multi-layer composites based on thermoplastics with a wide range of properties and excellent processing capability.



Isosport Plants

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Hall in Tirol, AT



Eisenstadt, AT



Slovenske Konjice, SI



Halászi, HU



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We are middle-sized company with more than 30 years of experience in the field of technical plastics. We form part of the European chemical and rubber processing industry and are among the leaders in this sector.

We are a subsidiary of ISOSPORT GmbH, from Eisenstadt, Austria; our headquarters are located in Slovenske Konjice, Slovenia.



Mission & vision

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STRATEGY

We offer innovative solutions, adapted to the needs of our customers, whose basic principle is a useful value. We are focused on growth ensured through the development of key competences, partner relationships with customers, and the development of our marketing network.

MISSION

Our mission is the development, production and sale of products in the field of environmentally friendly technical plastics. We want to contribute to our customers' business success to the greatest possible extent through development and consulting.

The products and semi-finished products from technical plastics and services are intended for industrial customers. In addition to their high quality, their basic characteristic is their adaptation to the needs of the customer and their ecological orientation.

VISION

Our vision is to become the leading innovative company in the field of special thermoplastic solutions in all branches of industry.

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„SIMPLY THE BEST – FOR PEOPLE WITH PASSION”

In keeping with the motto **“Simply The Best”**, Constantia Industries AG intends to become **one of the best** privately managed, international industrial corporations with a focus on long-term growth:

Our activities are concentrated on products and services where we can become **one of the best**. We **trust** our management team and **lead through shared goals**.

The **right employees** represent our most important resource. First we decide WHO, then WHAT – whereby **a passion to act** plays a decisive role. We work continuously on the further **development of our organisation** and try to remain **as lean as possible**.

Networked teams and a culture that values open communications are the guarantee for fast decisions.

Our actions reflect the fundamental **values of trust, honesty, transparency, loyalty, decency and responsibility**.

We work **actively** to design our future based on all our experiences – including our mistakes.

In line with our focus on the future, **innovation** and the **development of new markets** are taking on a central position.

Through our obligation to be **“Simply The Best”** and our efforts to realise **continuous improvement**, we generate the **profits** that safeguard the future of our company as well as our jobs.

We **invest** in accordance with the available opportunities to realise **sustainable** and dynamic **growth** together with our employees and partners. We are satisfied when we can make a **successful** contribution to the creation of **value**.

Organisational scheme

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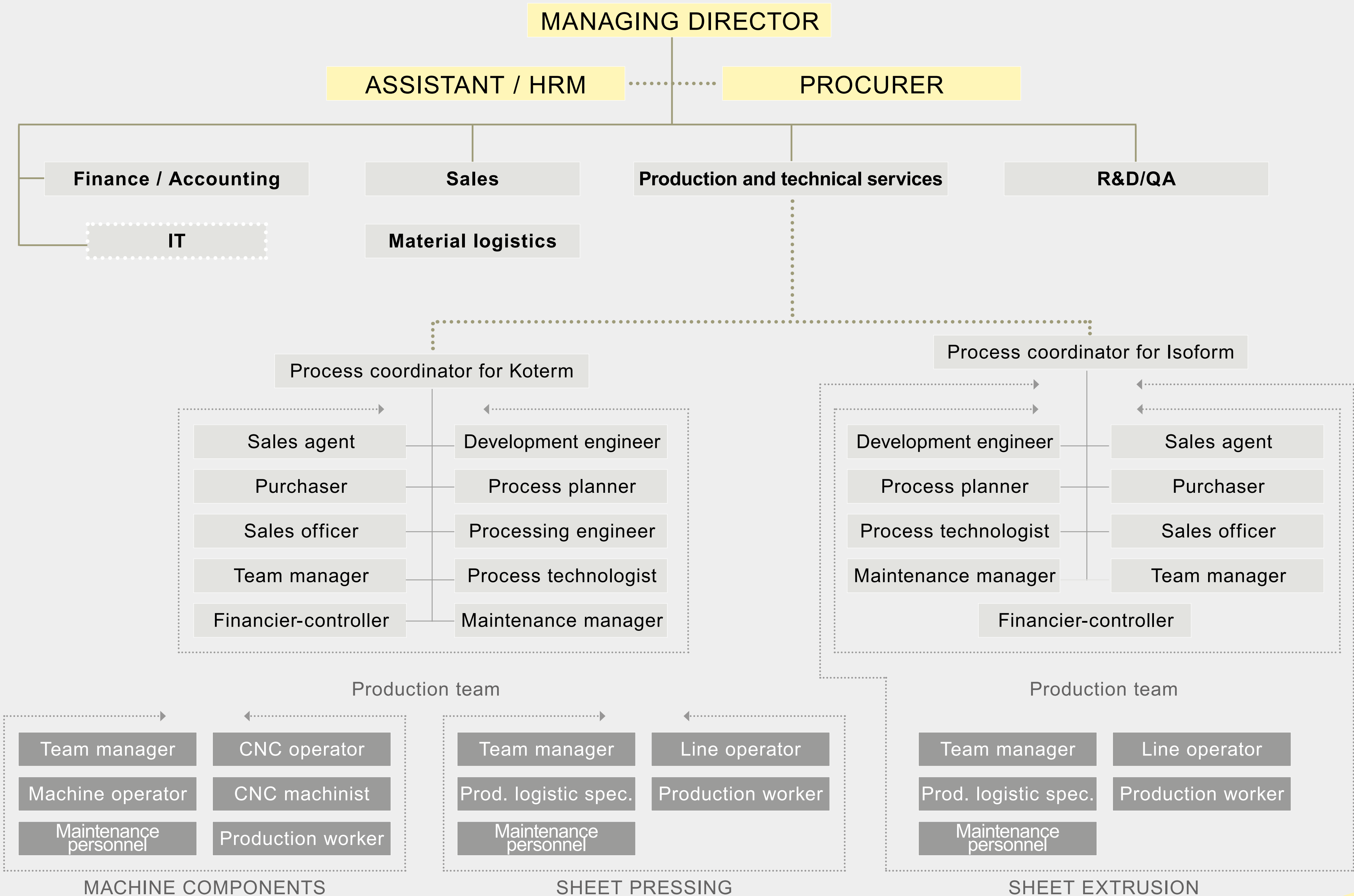
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Partner in all industry fields

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SPECIALIST IN CUSTOM-TAILORED PRODUCTS

We offer innovative solutions in the field of thermoplastic production and processing.

We help you to solve complicated production or construction problems based on our extensive experience and exceptional know-how.

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Partner in all industry fields

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OUR ADVANTAGES

- We are flexible with small batch production capacities, offering special quality, dimensions and colours
- We help our customers build a stronger connection with us as trading partners
- We train our own staff and conduct our own market research;
- We use the owner's developement potential
- We have a joint approach and work closely with our parent company
- We are involved in technological developement projects.



Reliable solutions for all fields of industry

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- Mechanical engineering
- Chemical industry
- Mining-lining of devices and means of transport
- Food processing
- Sound proofing
- Sport
- Automotive industry
- Building and construction
- Thermoforming
- Furniture
- Electrical industry
- Orthopaedics



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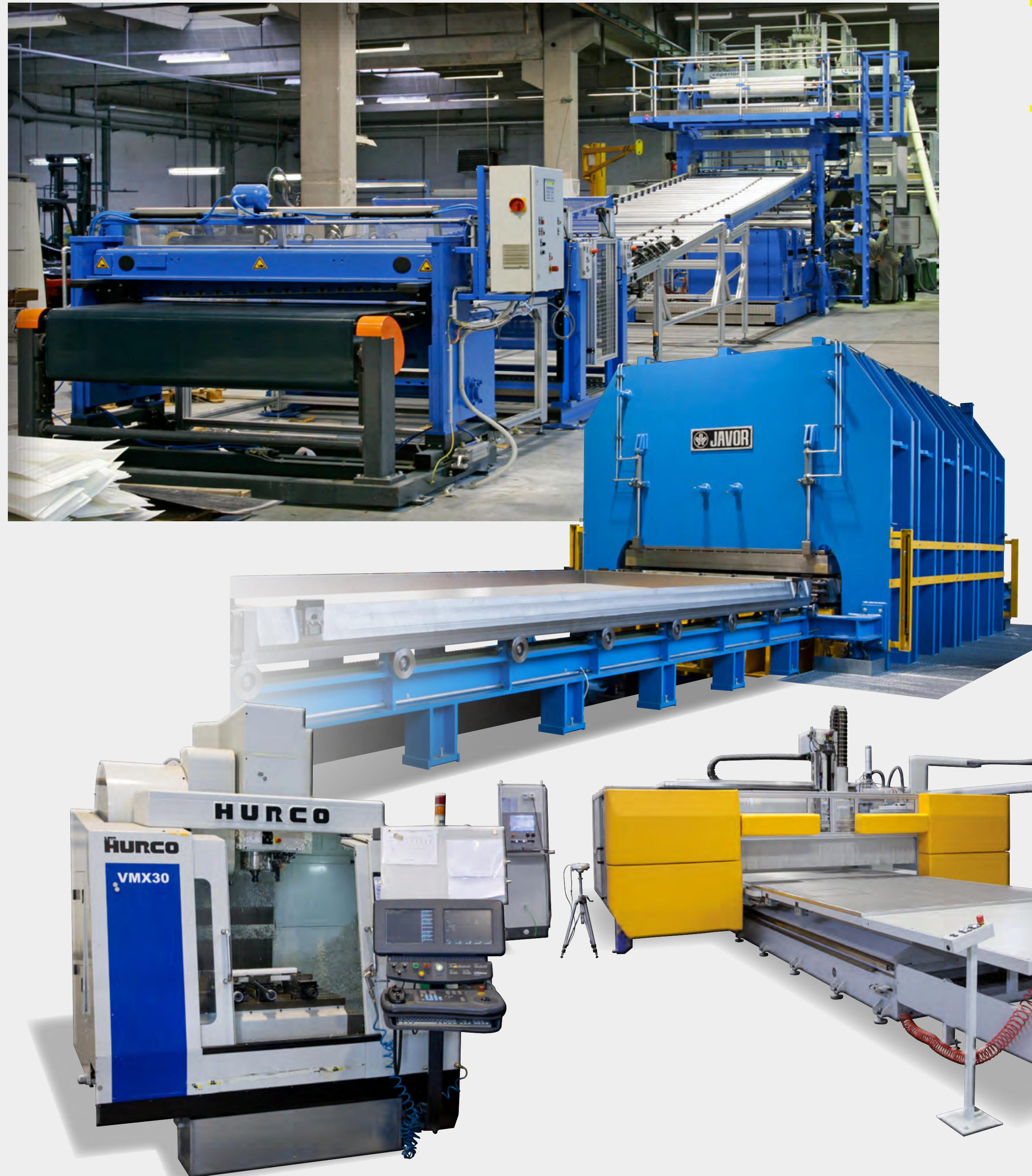
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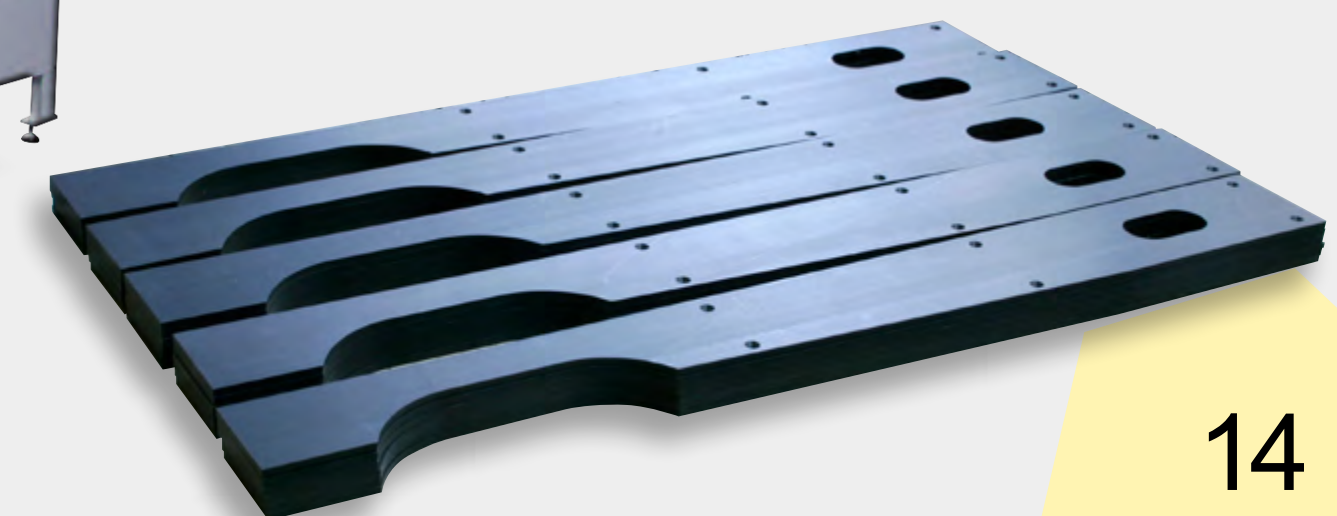
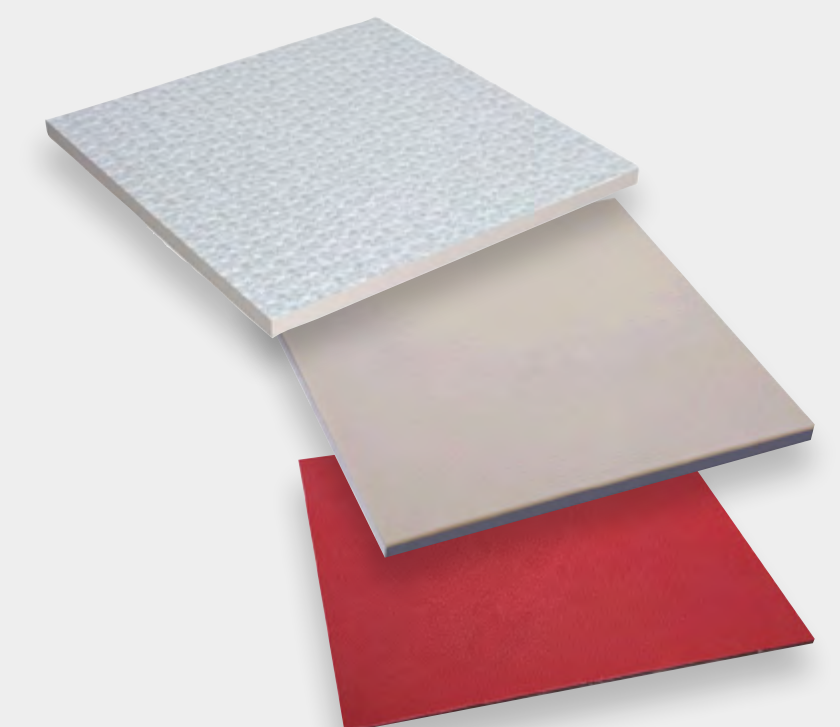
WIDE RANGE OF POSSIBILITIES

isoform

- extruded, co-extruded and direct extruded compounded sheet

Koterm

- pressed sheet and PRESS MOULDED DESIGNED sheet
- production of machine components



Milestones in development

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1955

The turning point in our development goes back to 1955, when the company KONUS introduced a programme in chemical processing.

1965

Plastic processing started.

1975

The KONUS-KOTERM organizational unit was established. Its activity was the treatment and production of PE and PP into semi products and end products.

1980

The company purchased its first press; the second followed six years later.

1989

The company acquired a complete extrusion line, for the expansion of its sheet production range for the automotive manufacturing industry.

1995

The company became part of Isosport GmbH, Eisenstadt, Austria and member of CONSTANTIA Industries AG.

1998

Certification in accordance with the standard ISO 9001

1999

Installation of the third press. The fourth followed one year later.

2004

With the installation of the second compounding machine we strengthened our position on the market of filled materials with our own production of granules – compounds for injection moulding.

2005-2008

Significantly increased production of extrusions with three additional extrusion lines.

2011

The company attained the greatest step forward in development with new facilities for the optimization of production flows, with internal logistics and with the fifth press it doubled the production capacity segment.

2013

The sixth press has been installed.

2015

Significantly increased capacity and treatment options with four additional CNC machines.

2016

Installation of the seventh presses with robotic line. Acquisition of land and buildings for further expansion and growth of the company.

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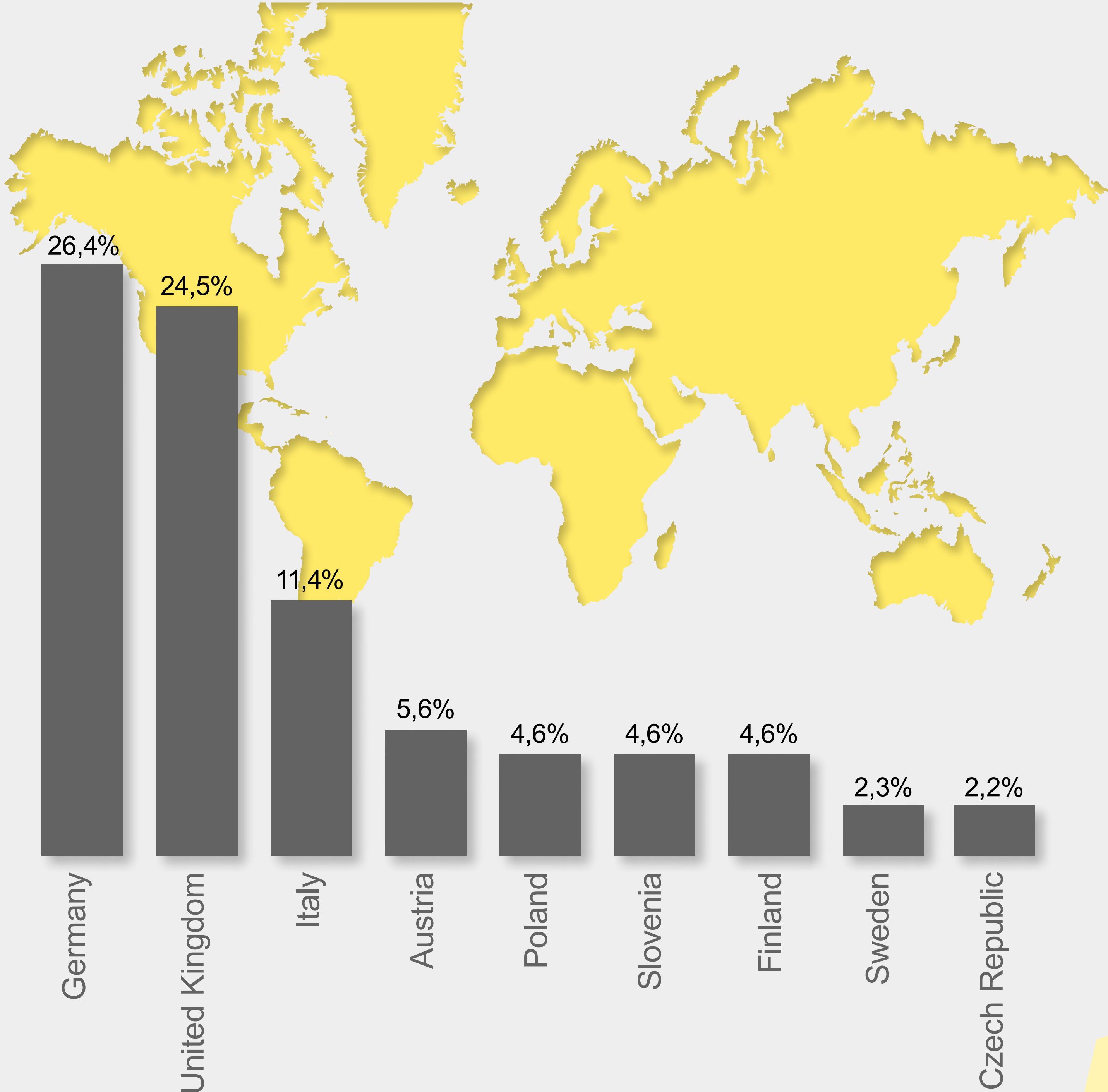
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Sales also in:

- Bosna in Herc.
- Belgium
- Bulgaria
- Switzerland
- China
- Denmark
- Estonia
- Spain
- France
- Croatia
- Hungary
- South Korea
- Lithuania
- Latvia
- Macedonia
- Netherlands
- Norway
- Rumania
- Srbija
- Russian Fed.
- Slovakia
- Thailand
- Turkey
- Ukrajina
- USA



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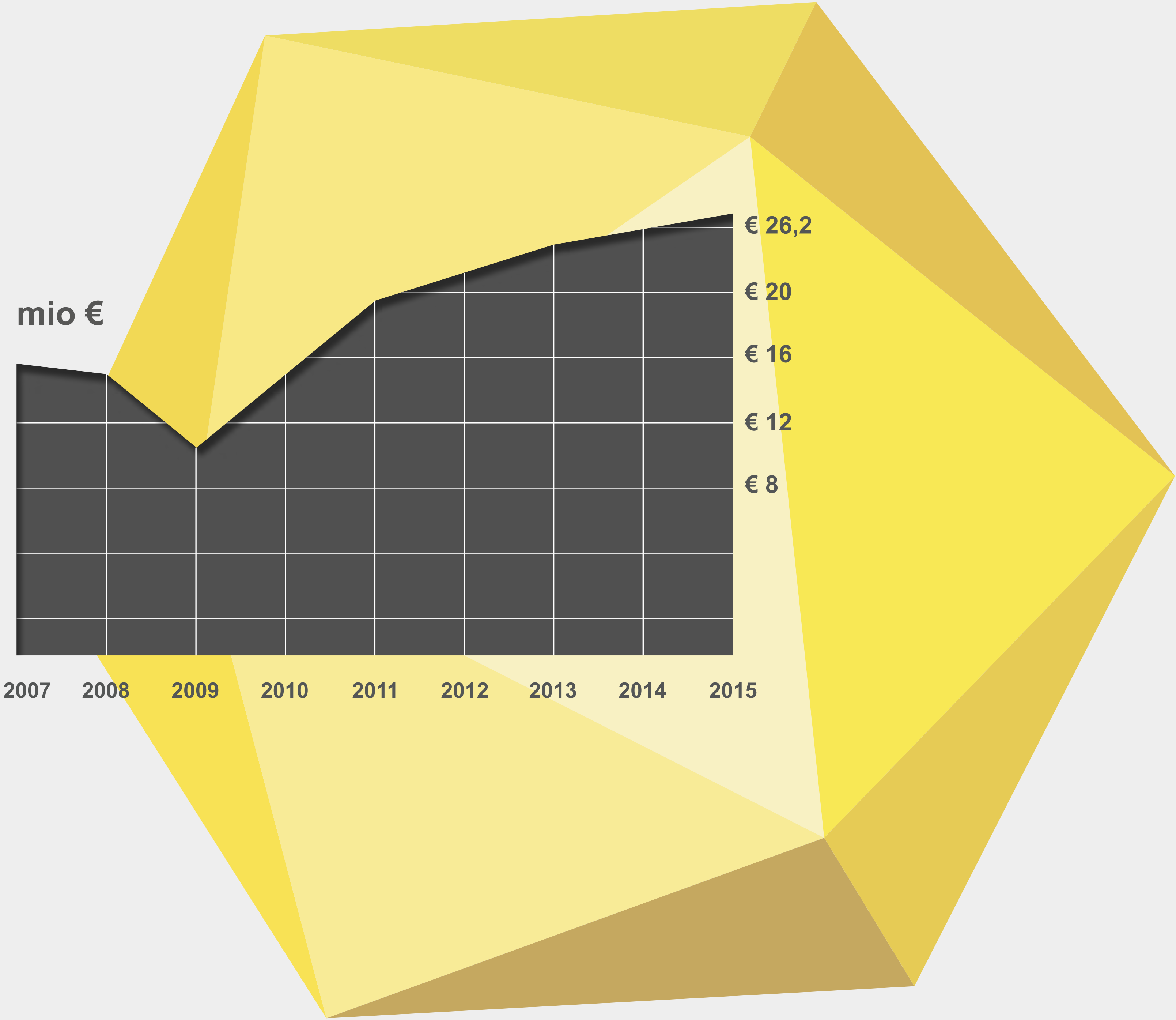
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Sport **FunICE**

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A WIDE RANGE OF POSSIBILITIES IN SEMI-FINISHED PRODUCTS

- **Mega press wide product range**
- **Press moulded designed sheets
(pre-formed pressed sheets)**
- **Prototyping large machine components
(big CNC machine)**

Mega press wide product range

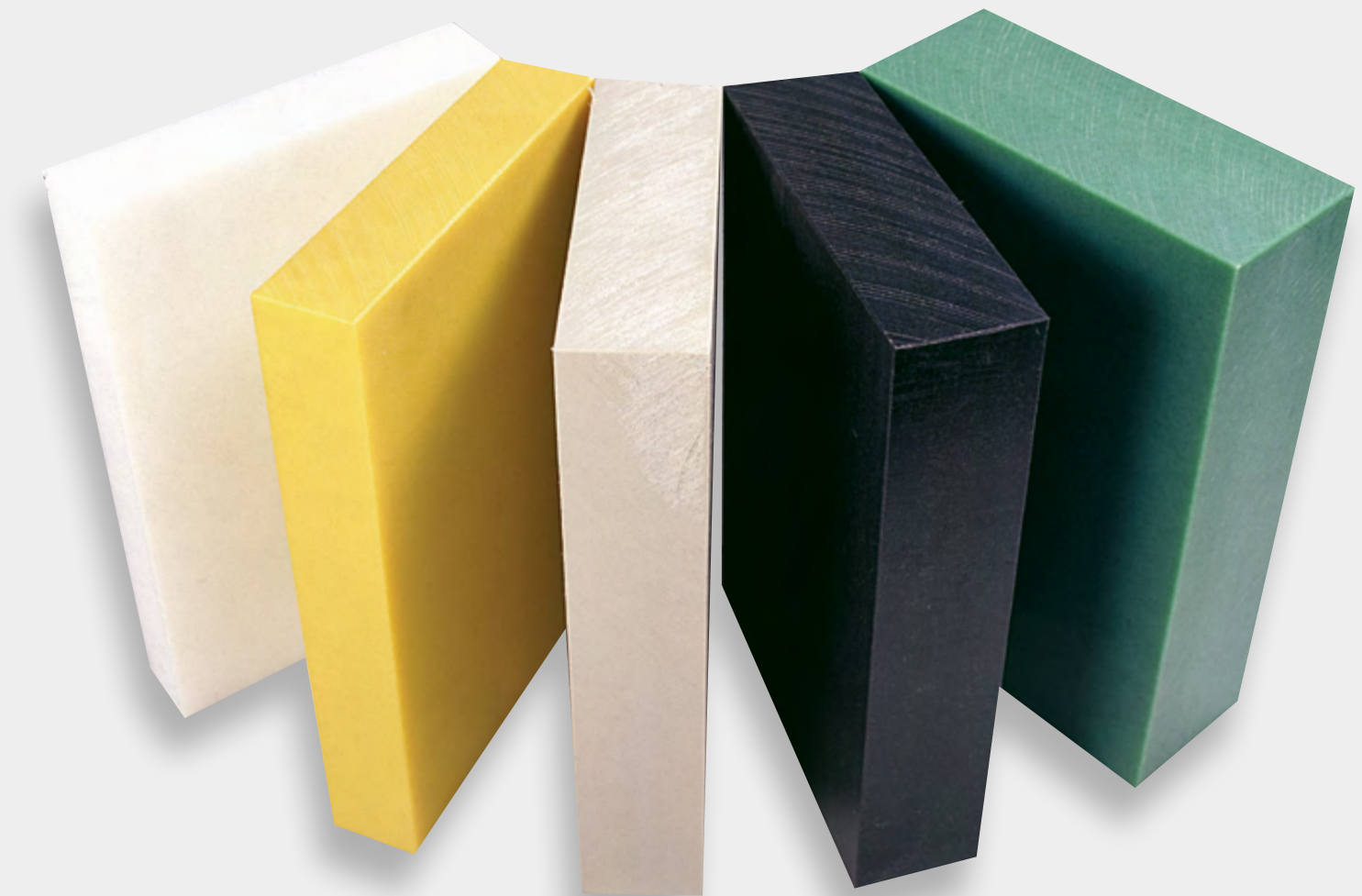
Because of investments into technology and development, we are orientated towards the application of modern materials and production technologies.

Standard sheets in dimensions

2020×1020mm, 3030×1020mm, 6100×1020mm

3030×1220mm, 2020×1220mm, 6100×1220mm

Thickness range from 10mm to 130mm



Reliable solutions for all fields of industry

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Mining



Food industry



Building
construction



Mechanical
engineering



Sport



Chemical industry



Electrical industry

PE 1000
UHMWPE

PE 500
HMWPE

PE 300 HDPE

PP

Recycled

Mechanical industry



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MACHINE COMPONENTS

Mechanical engineering elements are products that in most cases are produced to order and according to the drawings of customer.

Mechanical engineering elements are products that in most cases are produced to order and according to the drawings of customers, or as autonomous technical solutions that are developed and technologically included in the customers' projects. Based on extensive experience and know-how Isokon provides quick solution to the customer.

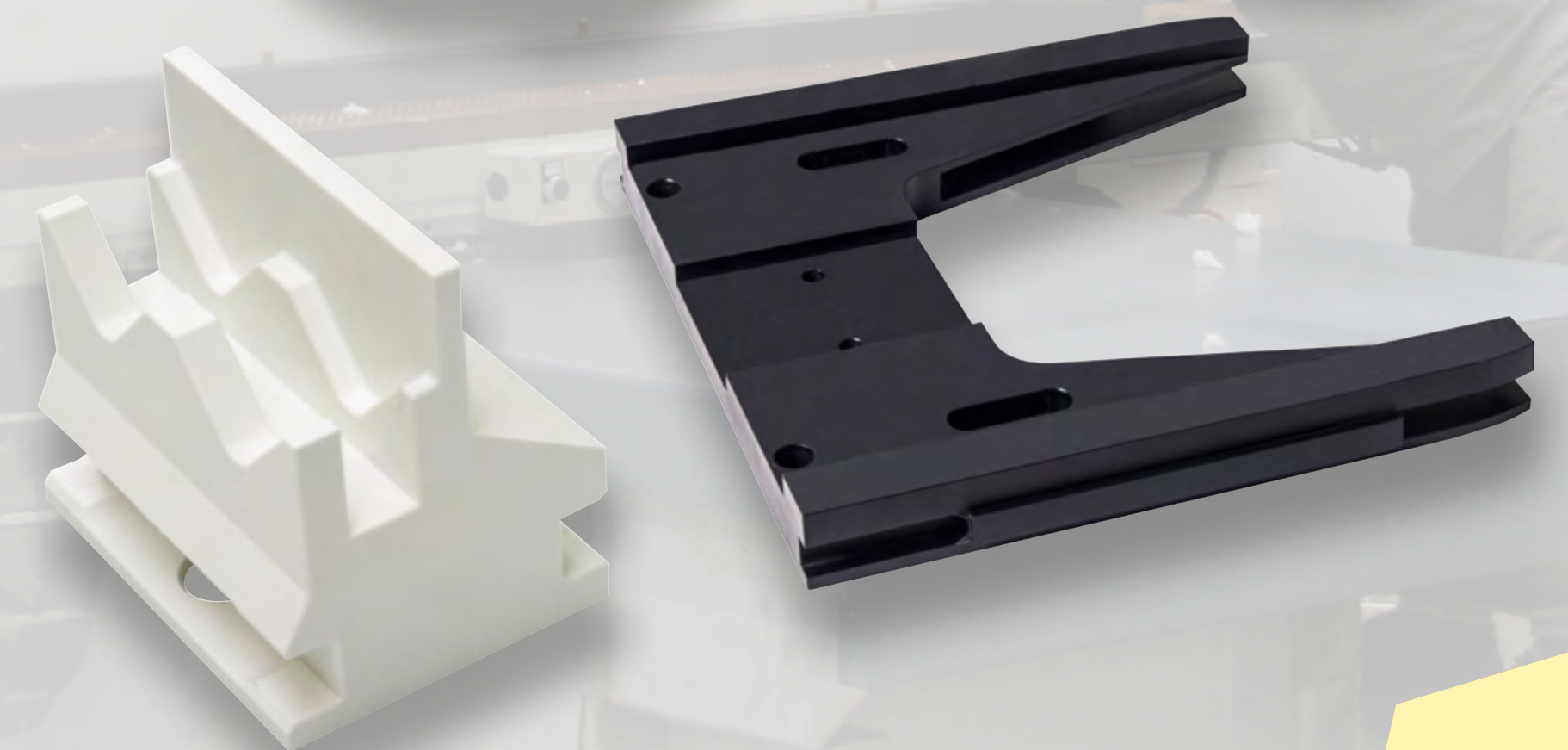
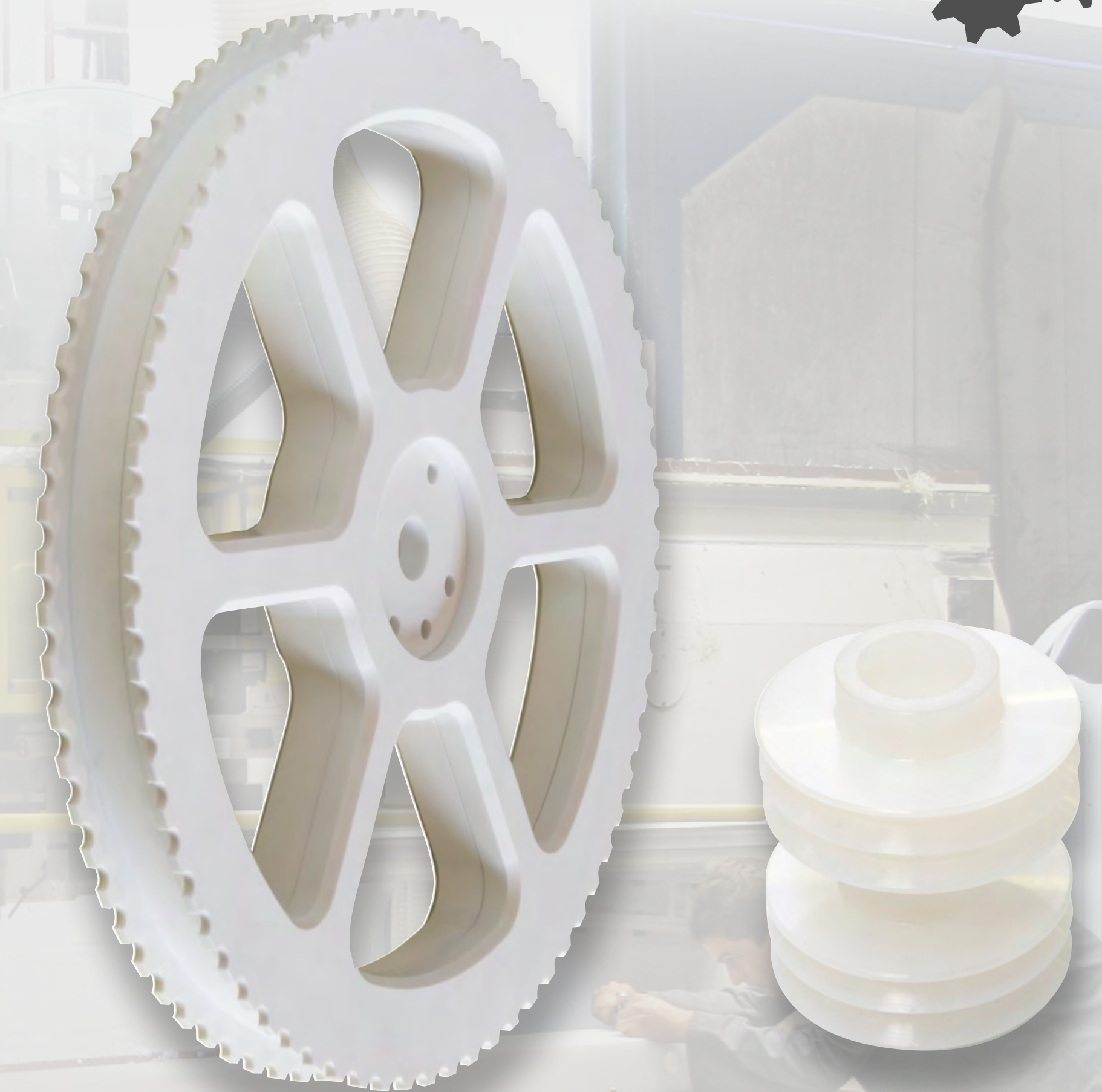
Advantages in

KOTERM® Material:

- excellent wear and abrasion resistance
- very low coefficient of friction
- self-lubrication
- no moisture absorption

Examples of use:

- gear weels
- sprockets
- belts
- bushings
- transport palets for automated lines
- wheels
- guide rails
- etc.



Mechanical industry



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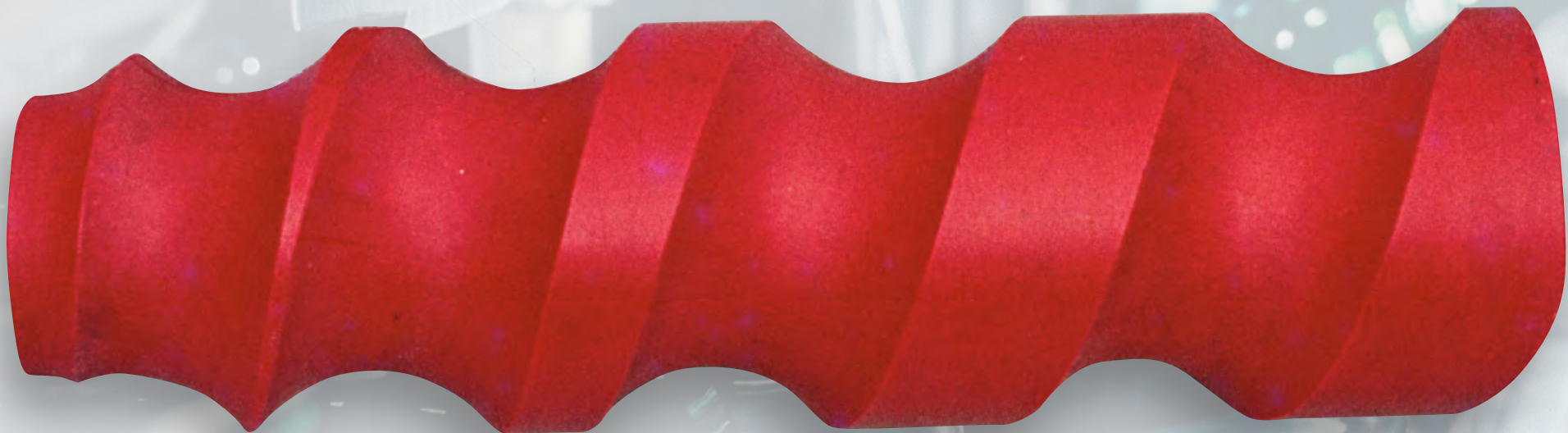
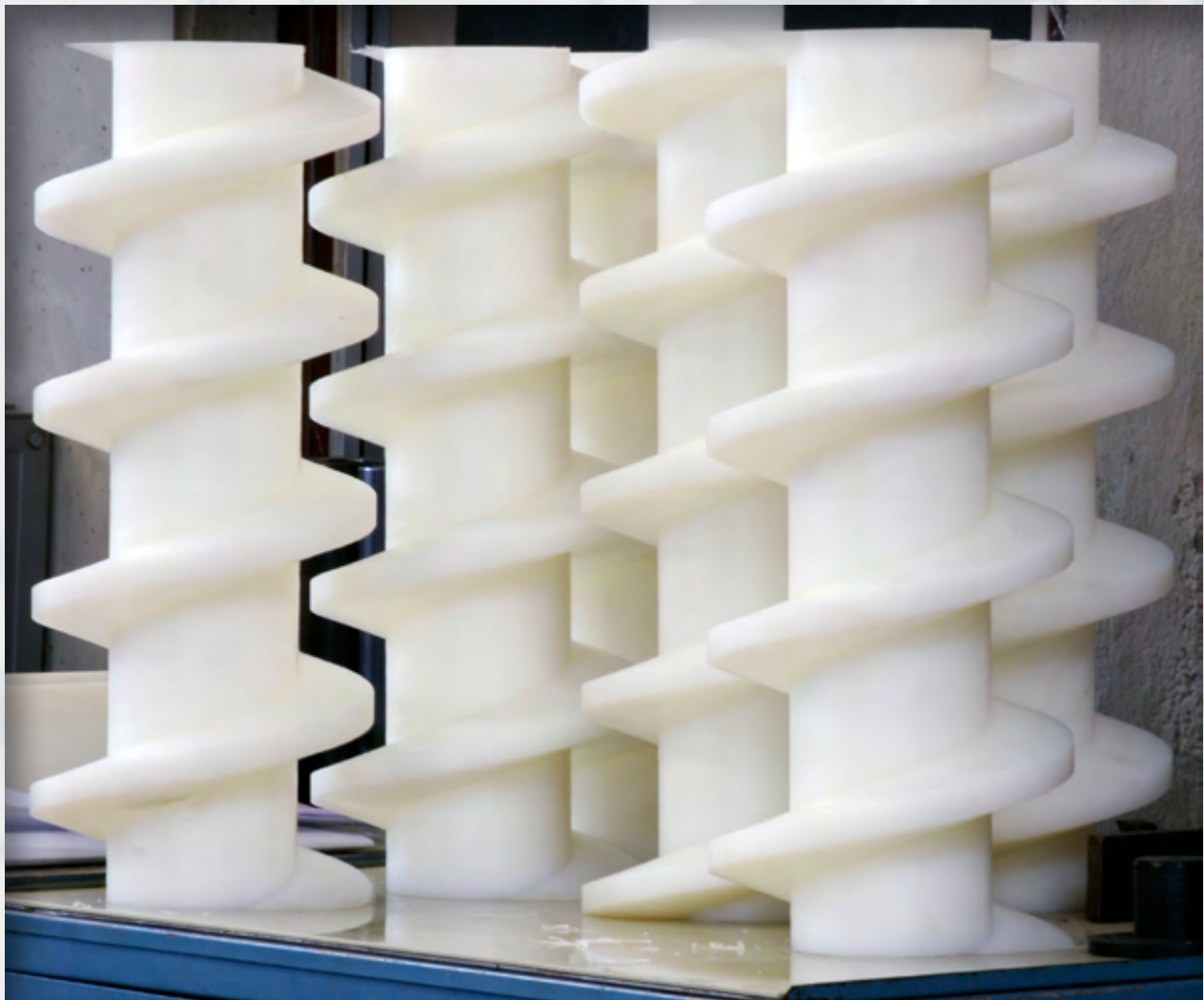
KOTERM
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BOTTLING INDUSTRY

Isokon componets for bottling, filling industry and custom-made componets are used in the areas where frictionless transport is required.

Material properties:

- Very good sliding properties
- High impact strength
- Reduction of noise levels
- Low wear of metal parts sliding along KOTERM materials
- High resistance to wearing of KOTERM materials
- Very high resistance to impacts
- Does not absorb moisture
- Resistant to chemicals and corrosion
- Environmentally friendly materials
- Possible regeneration of worn-out parts
- Materials of top quality.



Advantages in KOTERM® Material:

- excellent wear and abrasion resistance
- very low coeffecient of friction
- self-lubrication
- no moisture absorption

Examples of use :

- Worms
- Stars
- Curves
- Turner
- Sprockets

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PAPER INDUSTRY

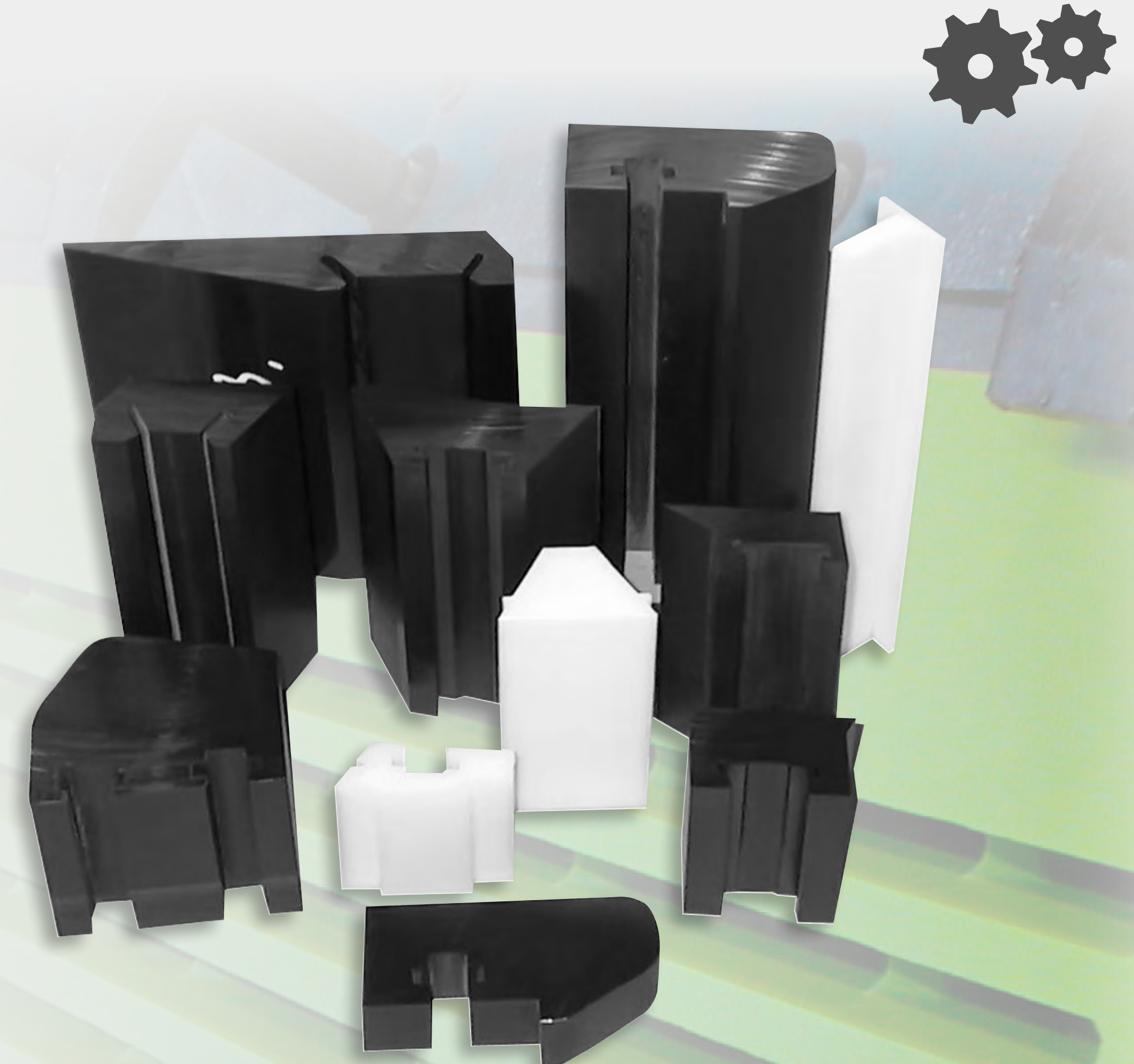
Due to the long experience we can advice you in selecting the suitable material for your application witch can reduce the cost and improves the process.

KOTERM elements for water extraction in the paper industry are composed of ultra-high-molecular polyethylene (4–9 million g/mol) and have a very low wear and excellent sliding properties. With additional fillers (glass balls, silicone or aluminium oxide) and through the use of modified materials, material properties are improved and durability increased, extending the lifetime of the elements.

The advantage to customers is that shapes and perforations are made according to the customers' individual wishes.

Advantages in KOTERM® Material:

- excellent wear and abrasion resistance
- very low coefficient of friction
- self-lubrication
- no moisture absorption



Examples of use:

- FORMING TABLE: linings/strips
- FOILS – DEFLECTORS: strips
- WET SUCTION BOX: linings
- SUCTION BOX: linings
- SCRAPERS: strips
- TUBULAR SUCTION BOX: linings/strips
- SUCTION ROLL: sealing strips
- GRATINGS

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SLIDING ELEMENTS

Isokon components for conveyer, canning and bottling lines are used in areas where transport is required.

Material properties:

- Very good sliding properties
- High impact strength
- Lowers noise levels
- Low wearing of metal parts that slide along
- KOTERM materials
- High resistance of KOTERM parts to abrasions
- Very high impact resistance
- Does not absorb moisture
- Resistant to chemicals and corrosion
- Environmentally friendly materials
- Possible regeneration of worn-out parts

Examples of use:

- Straight chain guides (series 880TAB-881TAB, 880, 881, 882 TAB)
- Corner chain guides (two-part series 882TAB, and three-part series S881-SS881-D880-LF88)
- Shoe heels
- Magnetic lower corner parts
- Chain guides (DIN 8187)
- Wedge-shaped guiding strips
- Round belt guiding strips
- Chain guides (DIN 766)
- Sliding belts and profiles
- Sprockets



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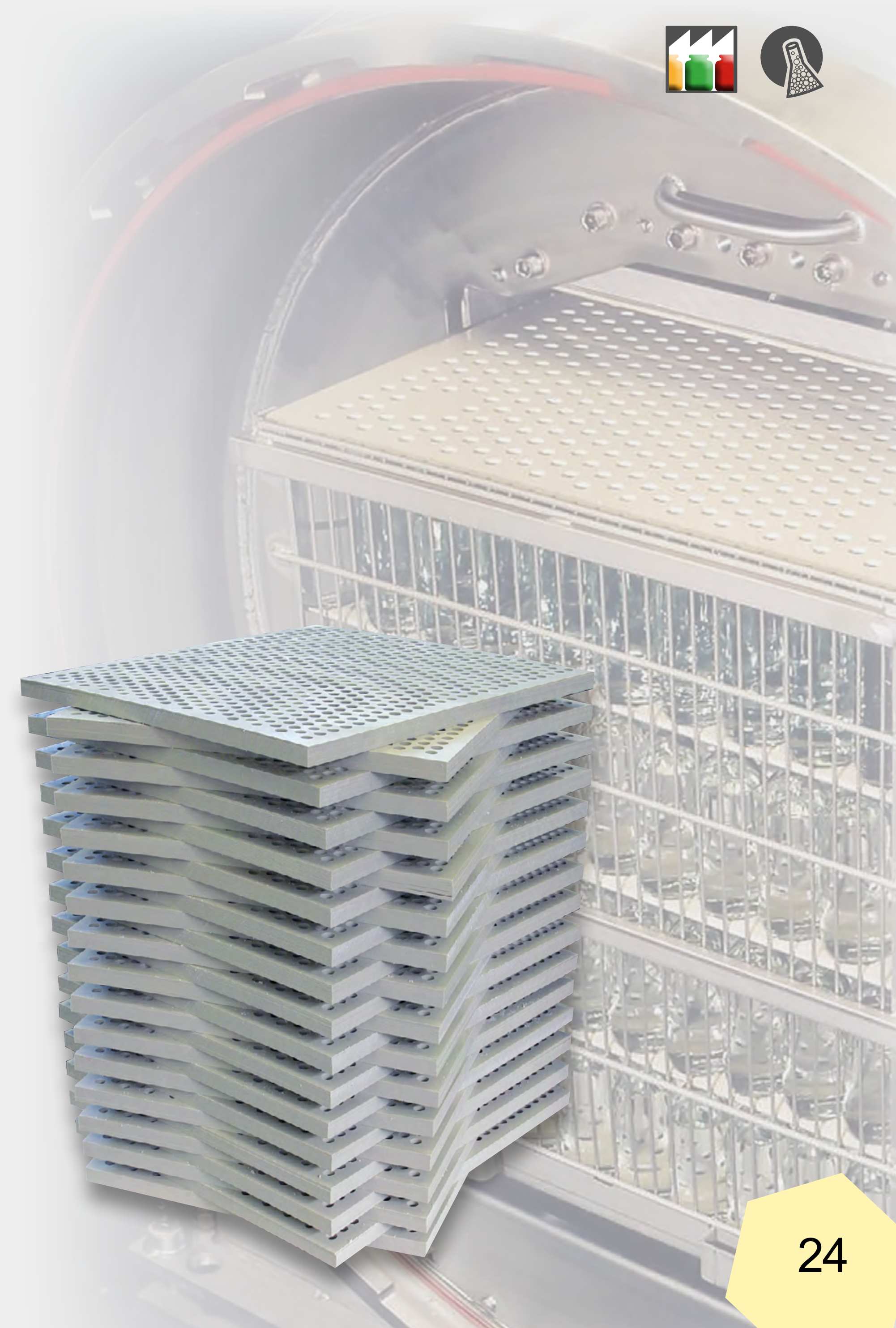
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ISOSTER sterilization pads offer you a high-quality, economical solution for use in the autoclave sterilization process.

ISOSTER sterilization pads offer you a high-quality, economical solution for use in the autoclave sterilization process. The special compound developed for this application offers you high bending resistance at high temperatures. The mats are compact and developed to operate under the most rigorous conditions.

Advantages:

- Very high temperature resistance
- High degree of elasticity
- Good bending resistance at high temperatures
- Flexibility in small quantity production (direct sheet compounding, economical production process for special dimension in small quantities)
- Flexibility in adjusting shapes to customer's request (finalizing on a CNC machine or punching machine)
- CNC drilling – no surface deformation after machining



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Isokon components for conveyor, canning and bottling lines are used in areas where frictionless transport is required.

Material properties:

- Very good sliding properties
- High impact strength
- Lowers the noise levels
- Low wearing of metal parts that slide against KOTERM materials
- High resistance of KOTERM parts to abrasions
- Very high impact resistance
- Does not absorb moisture
- Resistant to chemicals and corrosion
- Environmentally friendly materials
- Possible regeneration of worn-out parts

Examples of use:

- Traight chain guides (series 880TAB-881TAB, 880, 881, 882 TAB)
- Corner chain guides (two-part series 882TAB, and three-part series S881-SS881-D880-LF88)
- Shoe heels
- Magnetic lower corner parts
- Chain guides (DIN 8187)
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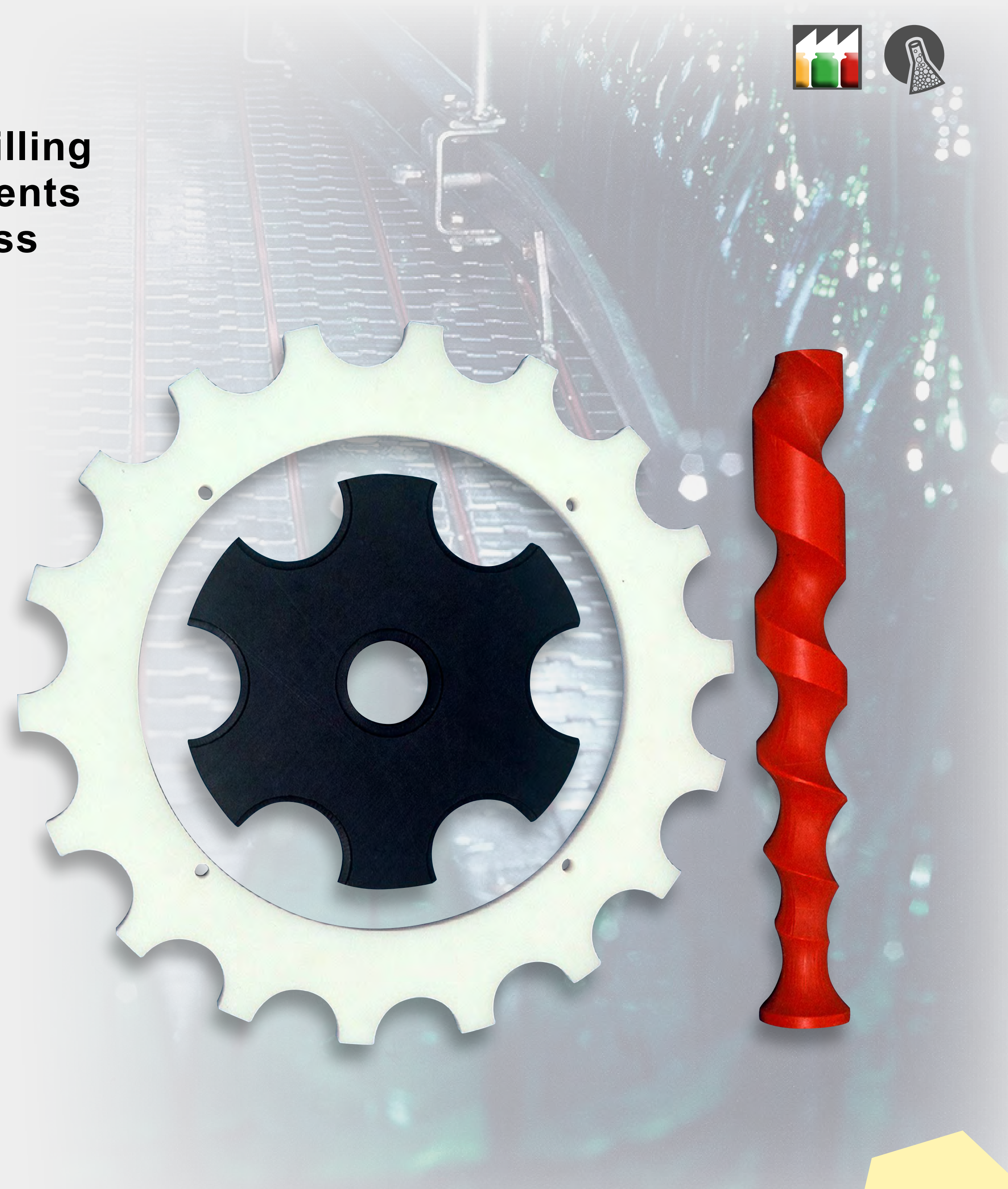
Isokon components for bottling, the filling industry and customer made components are used in the areas where frictionless transport is required.

Advantages:

- Excellent wear and abrasion resistance
- Very low coefficient of friction
- Self-lubrication
- No moisture absorption

Material properties:

- Very good sliding properties
- High impact strength
- Reduction in noise levels
- Low wear of metal parts sliding along
- KOTERM materials
- KOTERM materials are highly resistant to wear
- Very high resistance to impacts
- Does not absorb moisture
- Resistant to chemicals and corrosion
- Environmentally friendly materials
- Possible regeneration of worn-out parts
- Materials are of top quality



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KOTERM
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The high quality of KOTERM PE 500 cutting and chopping boards, allows their use in restaurants and hotel kitchens, private households, bakeries, and alike.

KOTERM CUTTING BOARDS

The high quality of KOTERM PE 500 cutting and chopping boards, allows their use in restaurants and hotel kitchens, private households, bakeries, and alike. They are successfully utilized in industries for preparing and processing meat products, in the fish-processing industry, as well as all manufacturing plants utilizing contemporary technologies.

Advantages:

- High cut resistance
- Resistance to liquids
- Free from odour and taste
- Harmless to blades
- Resistant to hot water, acids and alkalis





FILTRATION

Chamber filter plates, spare parts for filtering

Chamber filter plates for filtration equipment in accordance with DIN standards or as special designs made from carefully selected materials (high-temperature stabilised monpropylene) pressed under high pressure.

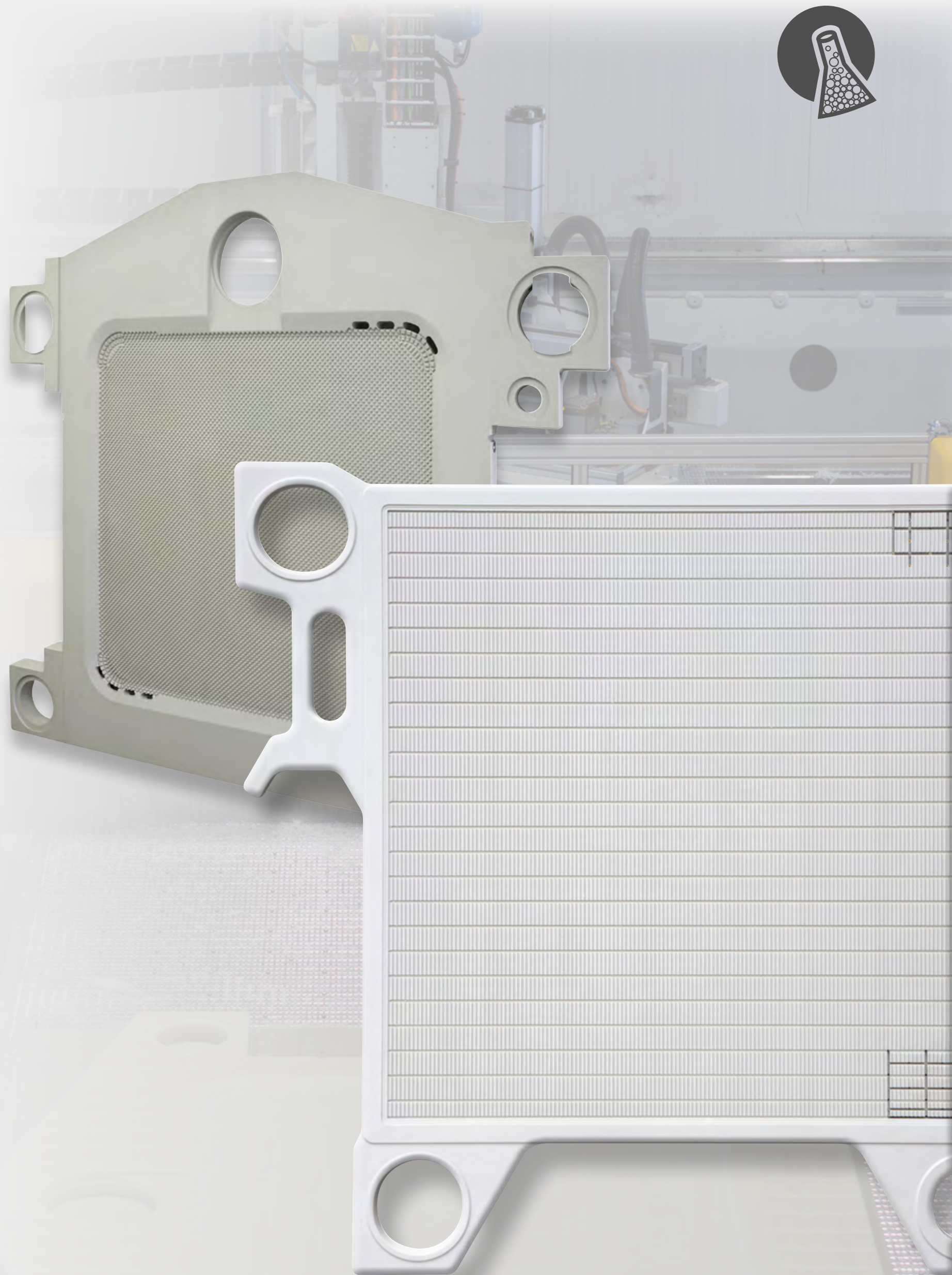
Problem

The effectiveness of a filter depends on the construction and the filter medium support tray material. Some common materials are wood, aluminium, cast iron, ductile iron, stainless steel and material compounds out of steel and rubber. These elements have shown a lot of disadvantages, e.g. low chemical and corrosion resistance, heavy, unfavourable drainage, considerable abrasion, limited working life, fluid absorbency and bad sealing.

Solution

Polypropylene proved to be the best material due to its most favourable price-power-performance and its interesting combination of excellent properties. The advantages of our filter plates: long life span, product quality (pressed under high pressure and machined on CNC machines), excellent sealing, easy cleaning, and light weight.

- **Prototype filter plates**
- **Accessories for filter plates (handels, flanges, pipes, centre feed spreader rings)**



Chemical industry

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CENTRIFUGAL PUMP FOR LYES AND ACIDS

Standard types: CC pump and, CM pumps

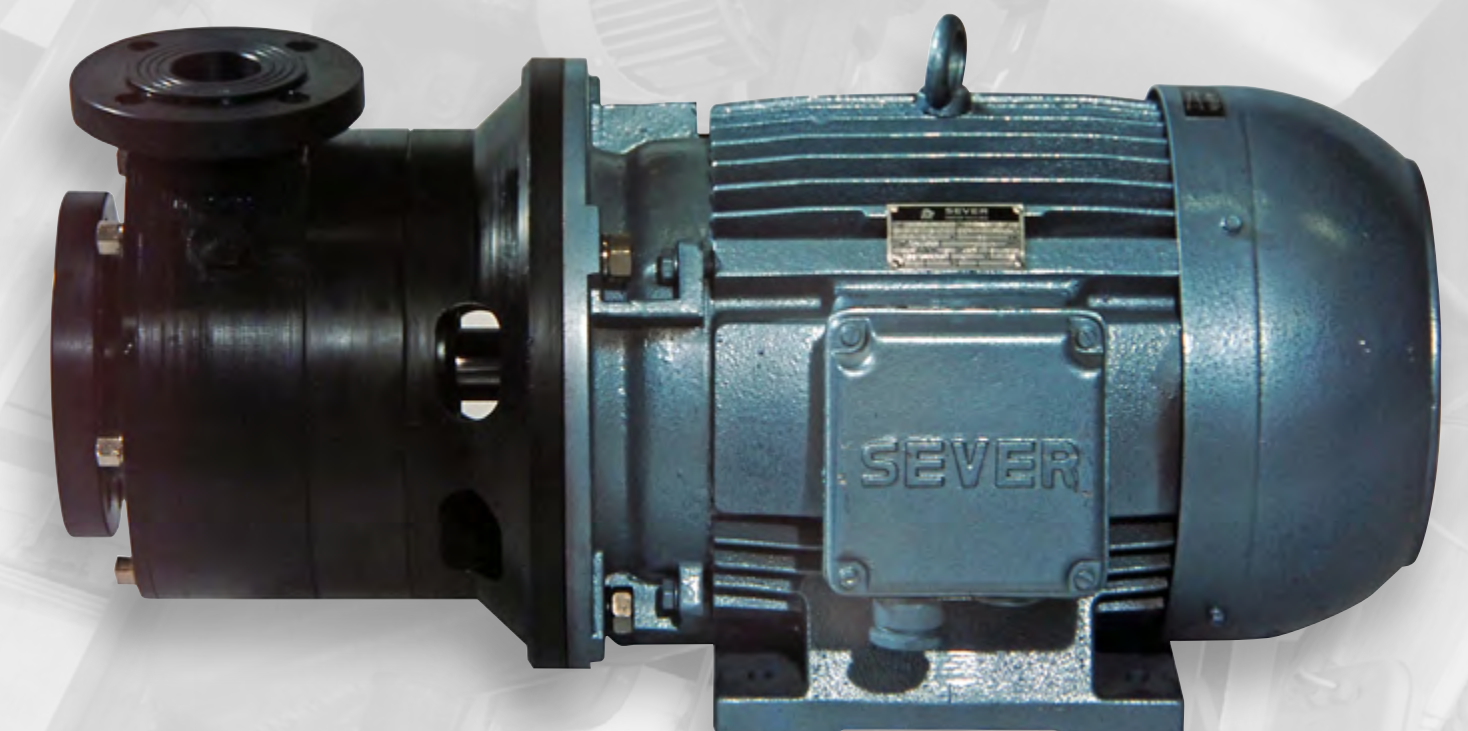
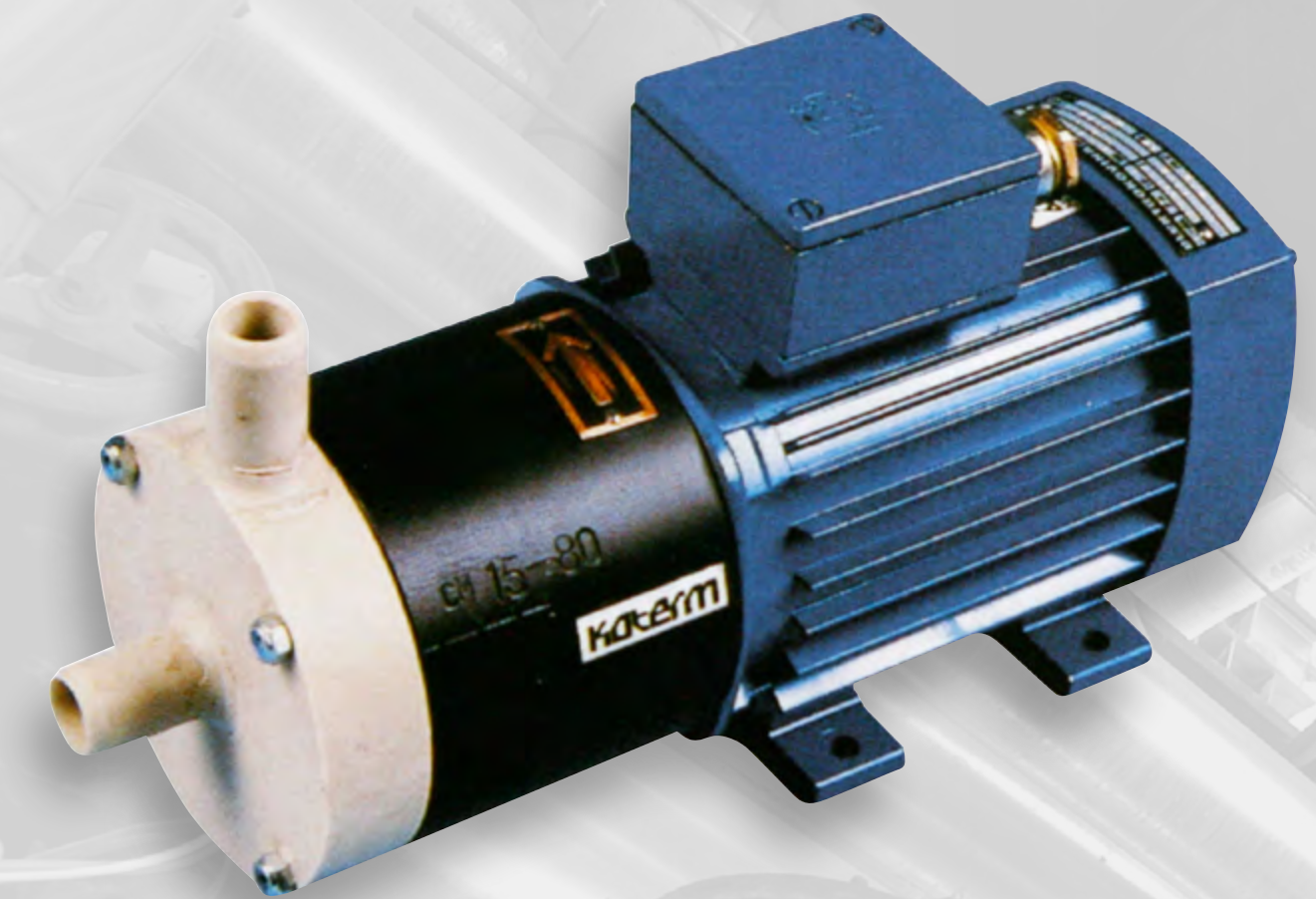
Problem

By pumping agresive media (acid, ammonia, salt, gasoline, ethanol, salt water) by normal pumps comes to higher wear of rotating parts and sealings.

Solution

Parts of the pump which come in contact with aggressive fluids are made out of PE500 for basic pump conditions up to 60 degrees C, PE1000 for higher pump conditions up to 60 degreesC and PP up to 80 degrees C. Pump CČ has 16 types with flow from 1,5 to 100m³/h. Pupm was being powered by electromotor. Sealing of the pups is made form mechanical sliding sealing.

CČ pups are intended to pump clean aggressive media and they cannot be used if the pump media has solid particles. The CM pump with a magnetic clutch is intended to pump aggressive fluids. The advantages are that no maintenance is needed, the flow is up to 60l/min, it has a compact and simple design, no leakage is possible and the pump can be used for fluids with a higher density.



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Due to the special properties of the Koterm material it is highly recommended in lining applications.

- Silo lining, hopper lining, chute lining,
- Floor & wall protection

In this field the most distinctive features are:

- Better material sliding
- Less material wear
- Faster ejection
- More silent work

High and ultra-high-Molecular weight polyethylene is characterized by a numerous of specific properties:

Problems solved by the material:

- less material sticking to the base, especially at low temperatures
- more fluent flow of the material, less blockages
- excellent material wear resistance
- good material insulation properties

ISOKON
INNOVATIVE PLASTICS SOLUTIONS



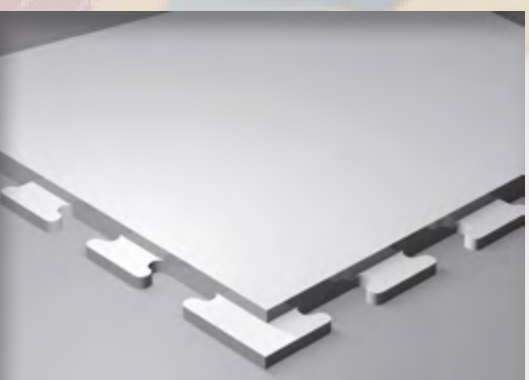
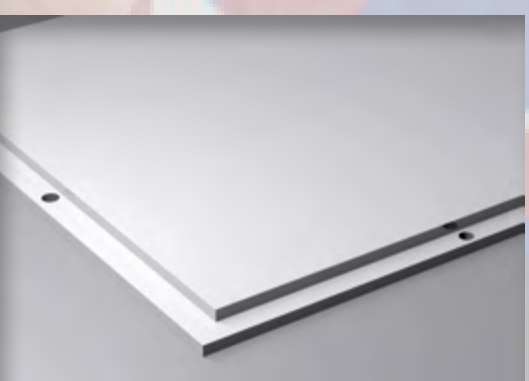
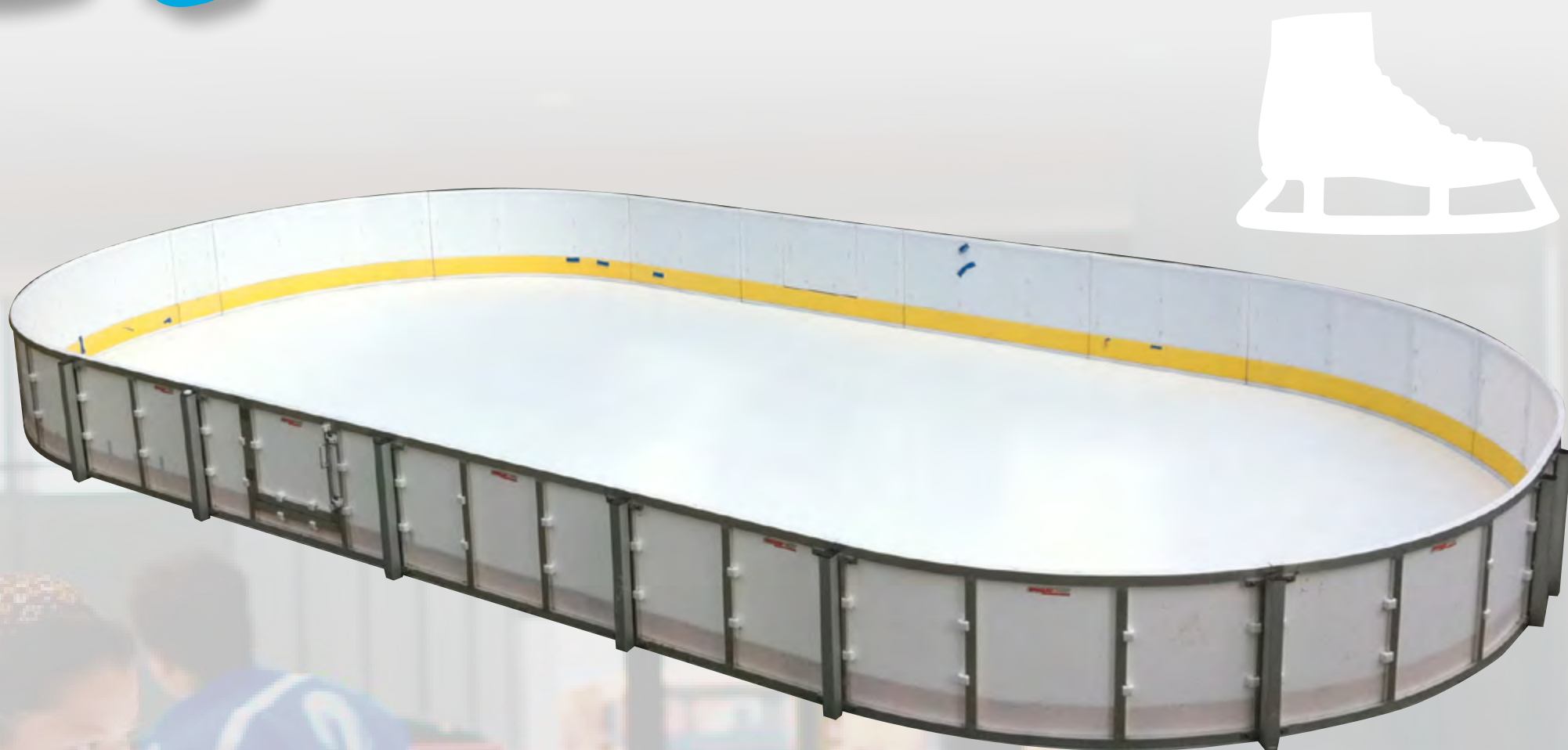
- Off-road truck beds
- Chutes
- Hoppers
- Scrapers
- Shovel liners
- Stacker/Reclaimer
- Bucket liners
- Dragline Bucket iners
- Front-end loader buckets
- Storage and handling
- Silos, bins, bunkers
- Reclaim hoppers
- Truck dump hoppers
- Rail dump hoppers
- Receiving hoppers
- Dozer blade liners
- Slider beds
- Skirting
- Belt scrapers



We are especially proud of the excellent gliding properties of our Premium-Generation, which has the best gliding properties of all synthetic ice panels available on the market.

FunICE offers several advantages:

- Ice skating 365 days a year
- Indoor & outdoor usage
- Suitable for fixed and mobile ice skating rinks due to the simple and quick installation
- Low cost of ownership: no water and electricity are needed
- Simple maintenance, surface renewing possible
- Product lifetime more than ten years and gliding properties improve with the increasing number of cuts on the surface
- Ecologically and environmentally friendly
- Completely recyclable
- Usage with normal ice skating equipment
- Better gliding properties than any competitor's product
- No need for applying a gliding solution
- Skating on a dry, clean surface is possible!



Dasher Boards

Depending on the application and size of your FunICE rink, we offer three different types of dasher boards.

More than 30,000 m² of our panels have been successfully installed.

Protection boards

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Fender for protecion in harbors

More than 90 % of all fender applications world-wide are using the reclaimed material. Due to its superior physical and mechanical properties, UHMW-PE combines highest strength with wear resistance and consequently provides the best durability of all available Polyethylene products.



Panels for cooling chambers and hospitals

Where there is some transportation with carts the damage on the walls can appear because of the human negligence. The best way is to protect walls with plastic panels in different dimensions and colour.

Dasher boards

It can be used for ice rings or any other rings witch has to be protected by a fence. Special aplication with the logo as seen on the lower picture is also possible.



Bumpers for go-kart

High impact strength and toughness of the material provides shock absorption in collisions and prevents damage to the vehicle itself (go-kart) and guard-rails.

Material usage:

- **Fender for protecion in harbors**
Pe 1000 reg.
Pe 1000 virgin
- **Panels for cooling chambers and hospitals**
PE 500
PE HD
- **Dasher boards**
Wall : PE HD
Protection in yelow :PE 500
- **Bumpers for go-kart**
PE HD reg.
PE 1000 reg.

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EXAMPLE GRÜTER

Sensory fields and computer software give better training results in Bad Aibling

We manufactured an **ice skating rink with markings** for one of our customers. The ice skating rink is used by **hockey players for training**; under the square markings there are built-in pressure sensors which help ice skaters with their training as they have to visually follow the path on the display, and it shortens the time needed to get to the designated sites.

Bobsleigh platform in Winterberg

We renovated the finish area of where the **bobsleigh's** comes to a halt, where the bobsleigh is pushed towards the weighing station. The right choice of material allowed a **nice slippery surface and lower operating costs**.

We selected the FunICE material, which we had previously used for pilot testing in August 2013 to cover approx. 380m² of the concrete **surface of irregular shapes**. Good cooperation with our client has led to innovations, further developments and the final production of covering part of the bobsleigh tracks with plastic.



Joint development projects with clients

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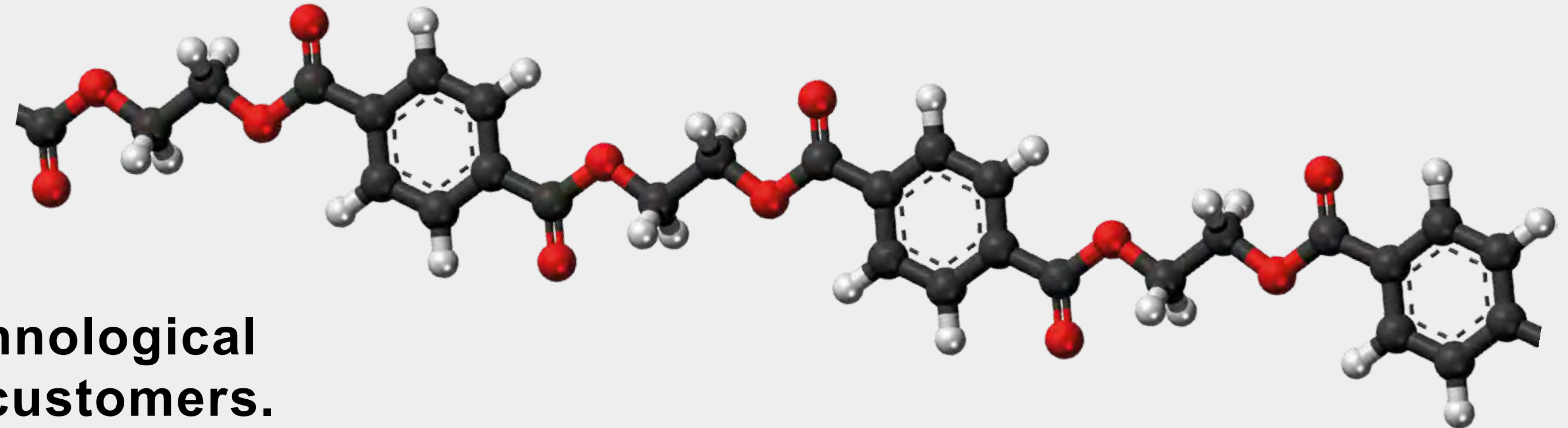
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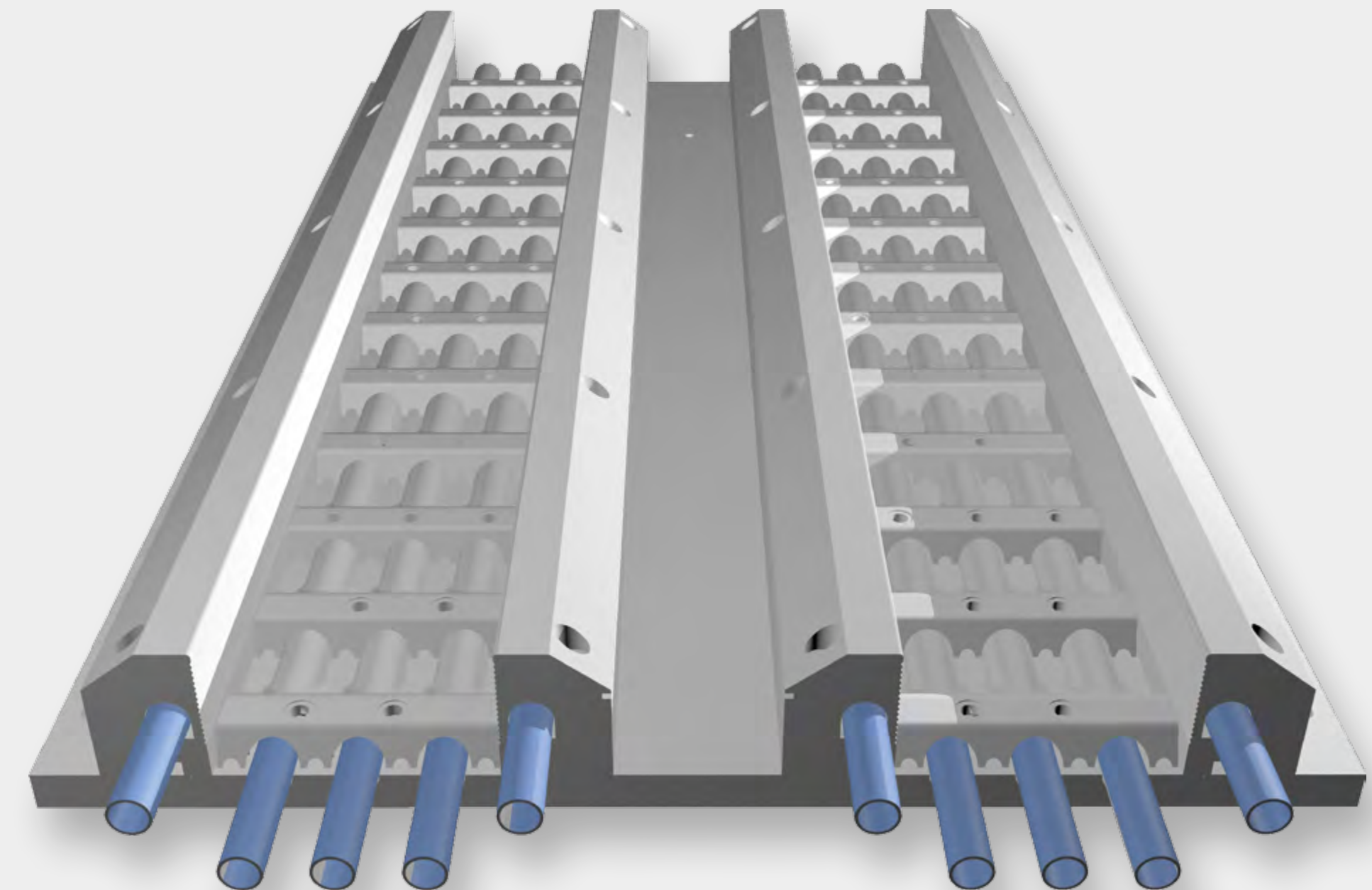


We are involved in joint technological development projects with customers. With innovations, continuous and sustainable development, and by solving questions and problems, we build long-term relationships with our customers.

EXAMPLE MANA ORIGINAL

Winter/Summer ski-jumping ramp

Together with our Slovenian partner, a manufacturer of run-up tracks for ski jumping, we developed a PE ski-jump surface, made out of KOTERM. It has already been installed at three ski jumps in Europe. The homogeneous material is much **less sensitive to temperature changes** in comparison with combination of different materials. The modular composite ski-jump surfaces offer a **quick and effective replacement of any component making up the surface. This is what put our partner in front of the competition.**



A WIDE RANGE OF POSSIBILITIES IN SEMI-FINISHED PRODUCTS

- tailor-made materials for thermoforming
- composite material – reinforcement with different fillers
- wood-plastic composites
- designed products: fabric backed, metal-detectable, anti-slip,
- electroconductive grades and others
- embossed surfaces: N1, N2, N3, ALU or on request
- co-extrusion

Technologies

- extrusion of sheets (thickness 0.5–25mm, max. width 1700mm)
- co-extrusion (AB, ABA) of sheets (thickness from 1.2mm, max. width 1500mm)
- extrusion of sheets with direct compounding (thickness 1–10mm, max. width 1600mm)

Lamination on extruded sheets with

- fleece
- textile or fabric
- foam
- stripe(s)
- decorative foil
- logo- printed foil
- removable protective foil

Surface finishing

- glossy
- mat
- different textured structures
- with embossed rolls

Others

- surface activation with flame treatment
- “cut to size” parts from extruded sheets

Standard sheets in dimensions

2000×1000mm, 3000×1500mm

Thickness range

PE from 2mm to 25mm

PP from 2mm to 20mm

Reliable solutions for all fields of industry

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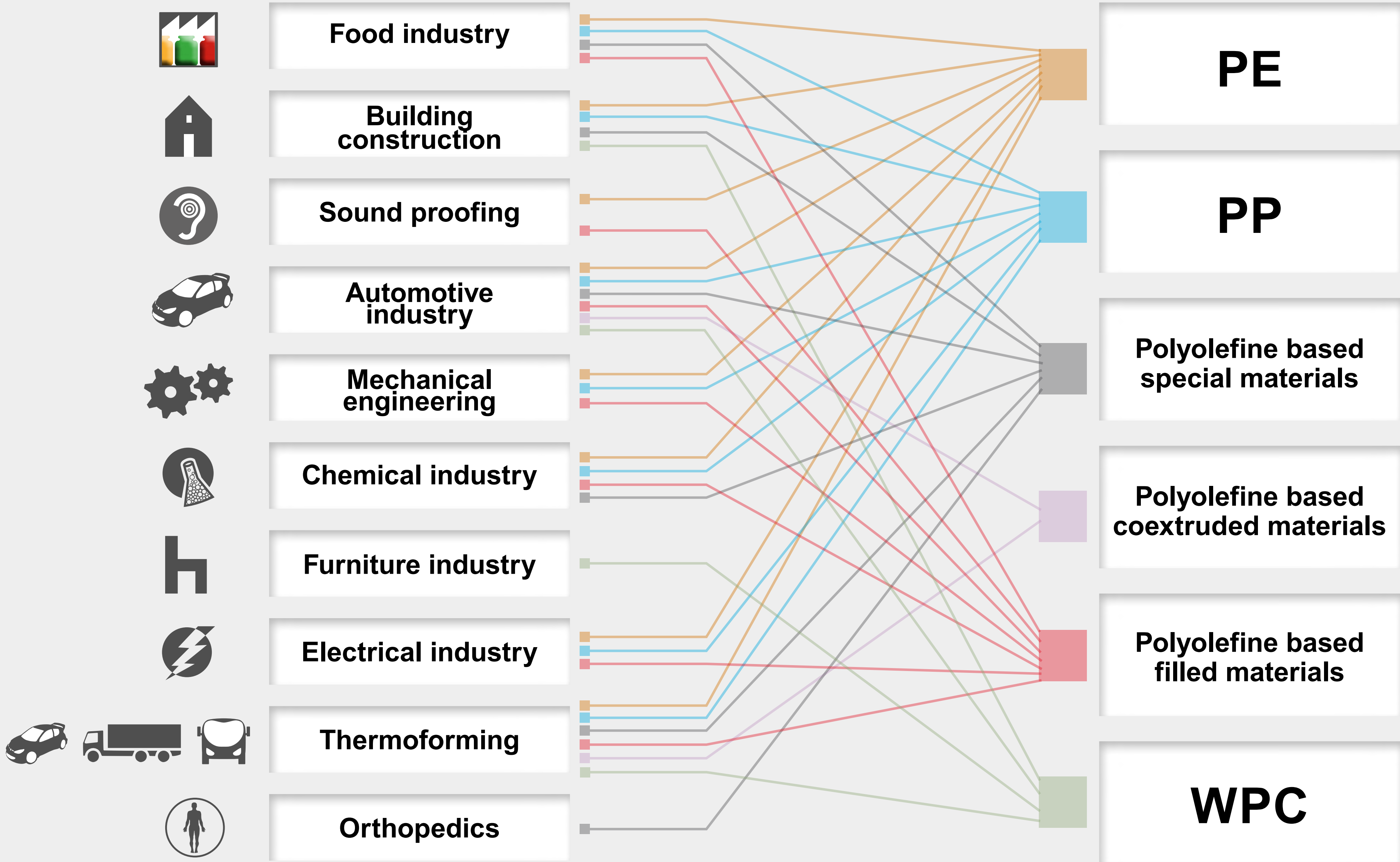
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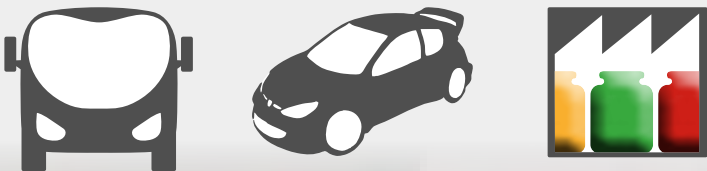
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Thermforming



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isoform
Extruded

Isoform product range offers a variety of “tailor made” extruded and coextruded sheets which can be easily formed in product for different purposes especially in industrial logistics trays.

Engineered material properties gives a possibility to use the materials in different applications which requires material mechanical performance, antistatic, electroductive, controlled flammability, temperature resistance, antislip and structured surface, soft touch, lamination with the durable foam, sterilization, metal detection etc. as well as VDA 4503 compliant for European wheel pallet system (EWPS).

Upon request materials are designed to meet specific food contact regulations i.e. EN 10/2011 (European directive), Food and Drug Administration (FDA), Bundesinstitut für Risikobewertung (BfR).

Key applications:

- pallets
- cases (boxes)
- containers
- trays
- layer pads

Key benefits:

- recyclable
- light weight
- durability
- vacuum formable
- “tailor made” product solution for customer needs



Automotive industry



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isoform
Extruded

Isoform product range offers a variety of “tailor made” extruded and coextruded sheets which are used in automotive industry used as parts or additional equipment in vehicles.

Variety of material properties gives possibility to use the materials for a large range of applications. Material benefits include reinforcement, antistatic, electro conductive, controlled flammability, antislip and structured surface, soft touch, sound insulation proofing etc. as well as VDA 4503 compliant for European wheel pallet system (EWPS).

Isokon offers also materials known as wood plastic composites (WPC) for different purposes in automotive industry.

Key benefits:

- light weight
- durability
- vacuum formable
- recyclable
- “tailor made” product





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PLATES FOR GALVANIC TANK

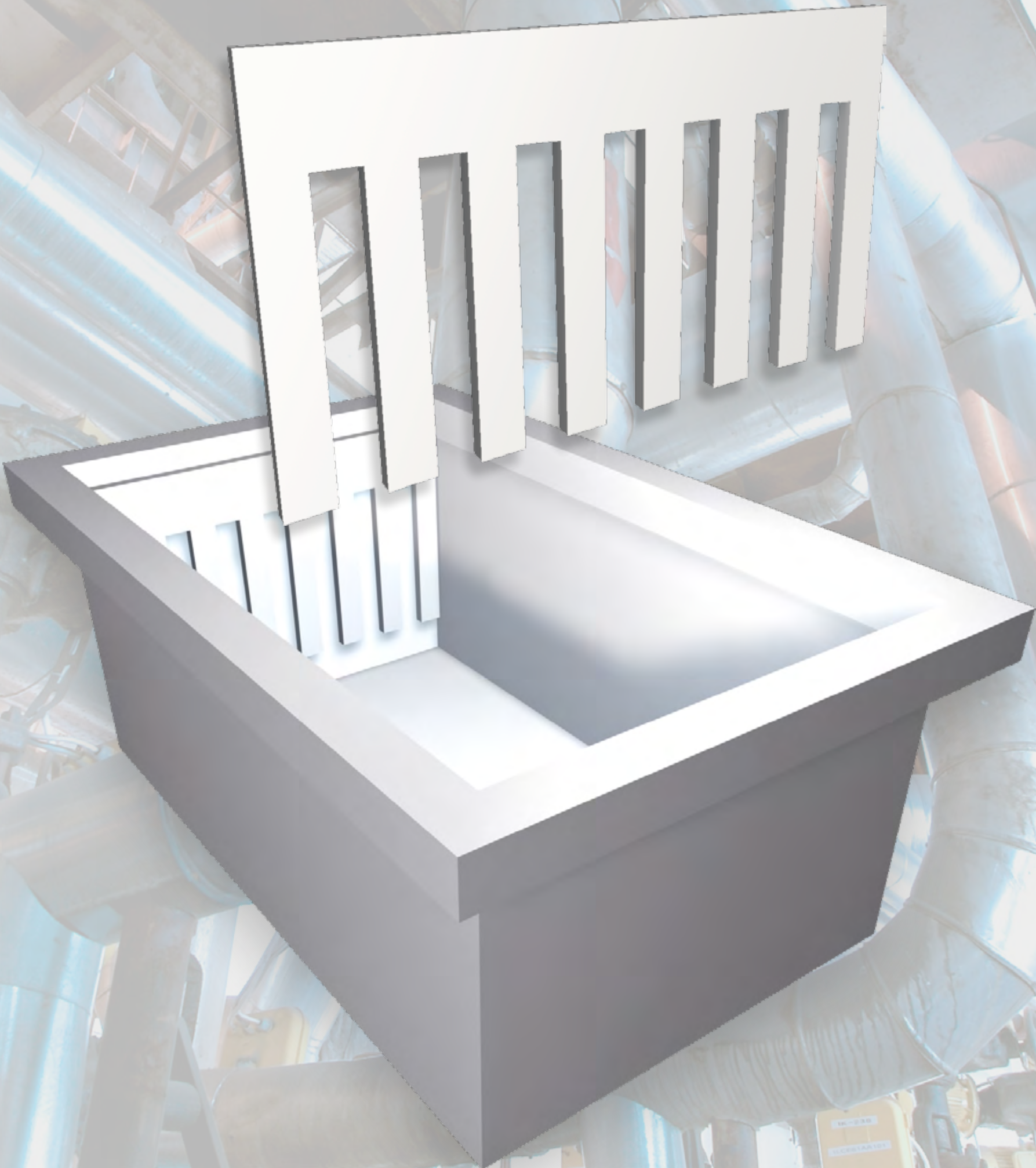
Problem

In the process of galvanization plating products produced silt or mud, these are water-insoluble substances containing metal contaminants. Also by gavanisation occur industrial waste water, in which the cations of metals (eg copper, zinc, nickel) and anions (e.g., chromium). These are chemically very aggressive.

Solution

PP reflects the strong chemical resistance and temperature up to 80°C, ease of processing and low price.

The use of thermoplastics is in the field of chemical industry practically inevitable. PP and PE reflects the strong chemical resistance, ease of processing and low price.



Chemical industry

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PLATES FOR WATER TANK

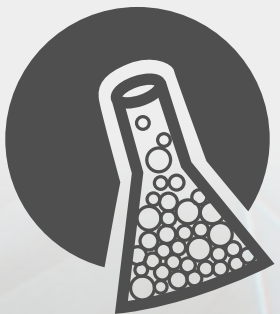
Problem

Throughout history, wood, ceramic and stone have been used as water tanks. These were all naturally occurring and manmade and some tanks are still in service. Water is susceptible to a number of ambient negative influences, including bacteria, viruses, algae, changes in pH, and accumulation of minerals, accumulated gas. A correctly designed and using correct material water tank works to address and mitigate these negative effects.

Solution

The material used – PP has a high level of resistance to microorganisms, so the tanks have nonnutrient surfaces before they are cleaned with steam. Welded together to create a watertight tank, the sheets prevent water stored in the tower from penetrating the outside, thereby helping to protect the structure as a whole. PE sheets can be cleaned quickly and efficiently without the use of chemical detergents.

The use of thermoplastics is in the field of chemical industry practically inevitable. PP reflects the strong chemical resistance, ease of processing and low price.



Electrical industry



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MATERIAL FOR BACK WALLS IN ELECTRICAL DISTRIBUTION ENCLOSURES

**Special polypropylene reinforced
with talcum and additives.**

Sheets are characterized by:

- high flexural modulus
- good high deflection temperature
- low shrinkage
- self-extinguish properties

Isoform PPT30FR R7035 sheets are mainly intended for the application in the electro industry and are tested in accordance with standard IEC 60695-2-12 and withstand temperature 750° C.

Because of insulative and self-extinguished characteristics, the sheets are most appropriate for application in electrical distribution enclosures as a back walls and also for independent walls.



Sound proofing

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Noise pollution effects human health and lowers the quality of life. Long-lasting and excessive exposure to noise negatively influences the overall state of health, decreases concentration, etc. The negative effects of excessive noise are especially evident in densely populated areas, workplaces, schools, hotels, and hospitals.

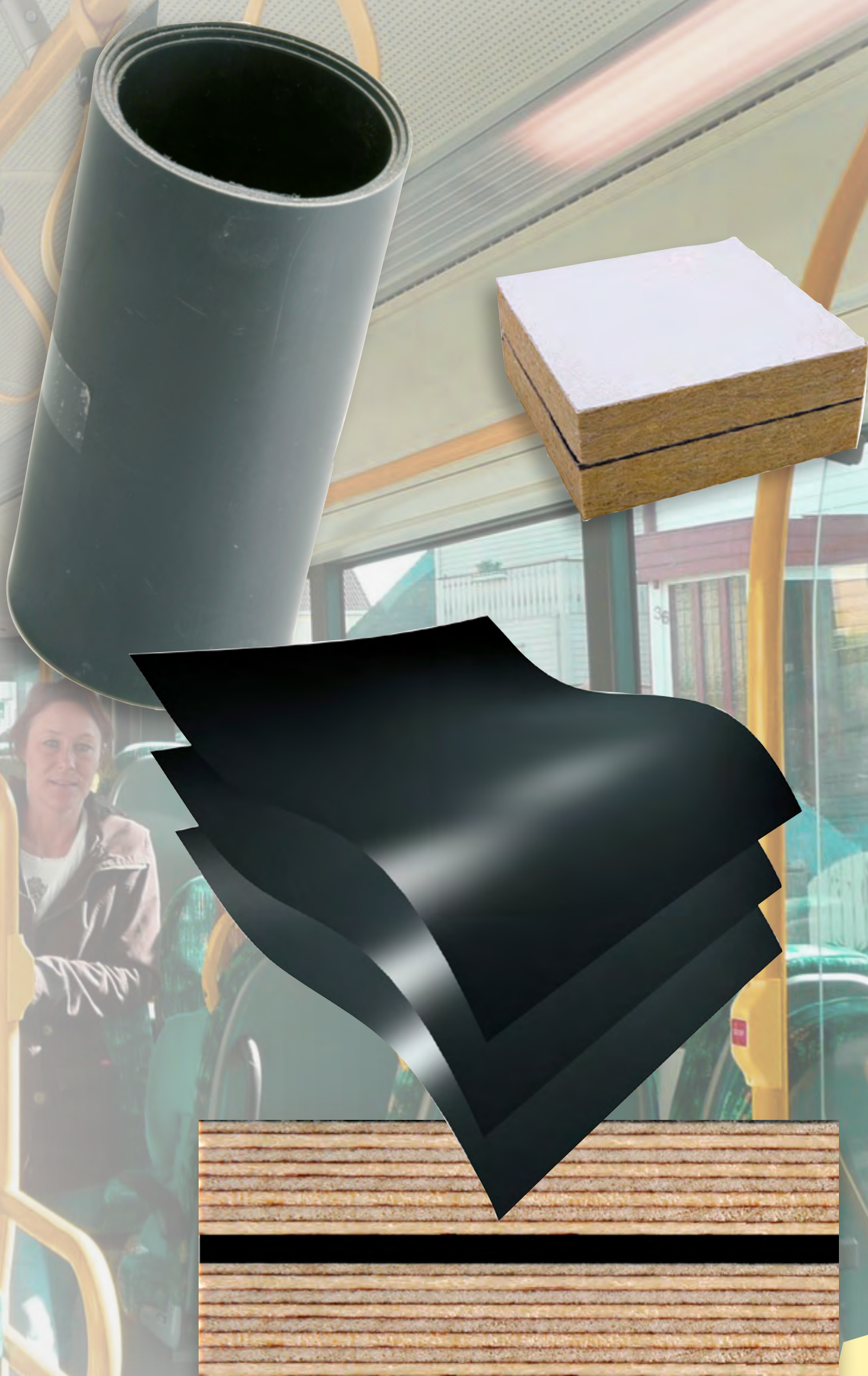
In order to reduce the transfer of noise between rooms, different sound insulation materials may be used, though it is recommended that the sound barrier is combined with different materials.

Isoform sheets for sound insulation are made in different variations and may vary depending on:

- density
- base thermoplastic elastomer
- both or one side fleece for gluing

Isoform sheets for sound insulation are designed to effectively reduce external and internal noise in transport vehicles like buses, trains etc. and ensuring maximal comfort while travelling.

Sheets can be used as an independent membrane or in combination with plywood, where the membrane is introduced between two sheets of the plywood.



Furniture industry



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Extruded

A composite material from polypropylene and fine soft wood fibers. Extruded in sheets and both side surface treated. Surface treatment is made by flame and it is effective long-time.

Advantages of Material:

- alternative to ABS, PVC and veneer edge-banding
- low moisture absorption - reduced swelling and shrinking
- simple gluing with PU, EVA etc.hot melt glues
- simple varnishing with standard wood varnishes and colours
- shrinkage and expansion performance are similar to base board even temperature varies a lot
- simple cutting
- useful also for small radius curved edges



WPC material as alternative to ABS, PVC & veener edgebanding

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Isokon is one of the leading manufacturers of semi-finished plastics used in the field of orthopaedic technology – for premium-quality orthoses and prosthese.

Thermoplastic PEHD, PP and LDPE sheets are suitable for orthopaedic purposes because of their special properties, such as quick and easy processing, minimum weight, excellent hygienic characteristics as well as outstanding strength, stiffness and shape retention.

Our range of products allows a wide variety of processing methods. The following technical overview describes treatment applications for thermoplastics and recommendations for each material.

HDPE, PP and LDPE Sheets from Isokon are available in Natural as well as Skin colours. They are used by various Orthotic & Prosthetic Aids manufacturing units across the world. The quality is well established in the market especially in the Orthopaedic Aids manufacturing units.



Building construction



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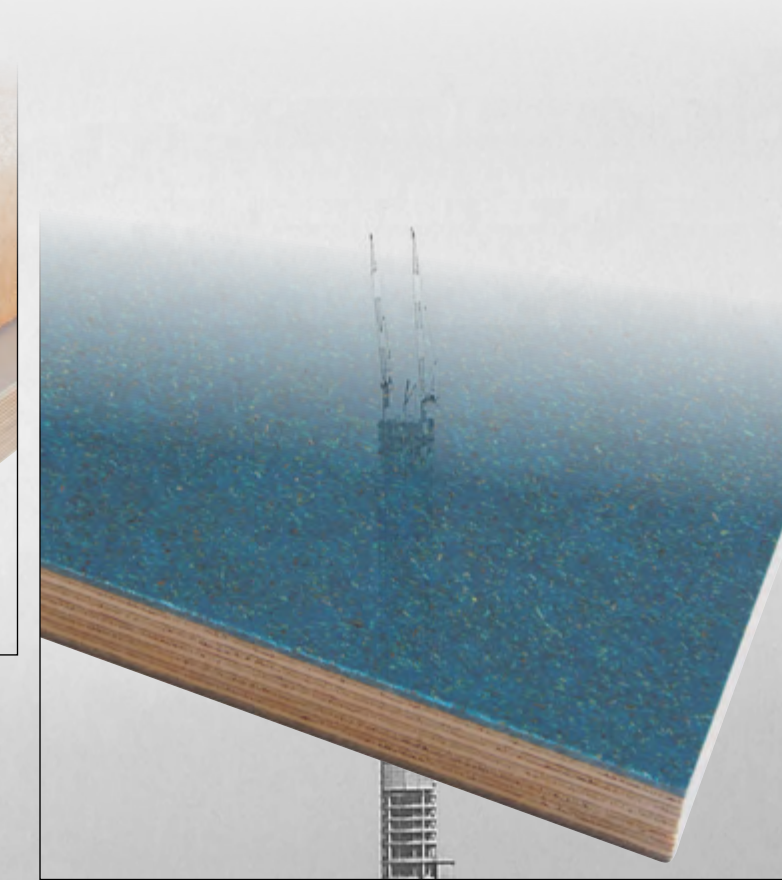
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Extruded

**A composite material based on polypropylene and wood fibres.
Extruded in sheets with an additional adhesive layer on one side, it is ideal for use as a contact layer for construction boards for formwork.
It is ideal for gluing on the various wood core constructions by applying phenolic, melamine or other glues well-known in the wood industry.**

Advantages of the IF LIP contact layer:

- a long lifetime of construction boards, enabling up to 200 use cycles when handled appropriately
- constant quality of the concrete surface during the whole period of use
- good nailing properties
- low sensitivity to damage
- good chemical and UV resistance
- low moisture absorption
- low susceptibility to ageing
- easy cleaning by using high pressure water jet cleaning equipment
- recyclible
- environmentally friendly, formaldehyde and solvent free material



POLYPROPYLENE POLYESTER FABRIC BACKED

FABAC material is extruded polypropylene sheet with polyester fabric backing. The polyester fabric backing gives ability to bond polypropylene sheet with other materials.

Key benefits:

- Production of lightweight structures
- Excellent physical characteristics
- Excellent weldability
- Very good chemical and corrosion resistance
- High heat resistance

Technical product data:

- Maximum width: 1500 mm
- Maximum length: 3000 mm
- Rolls are available upon agreement.
- Thickness: 2– 12 mm
- Colors: standard is grey; other colors are possible

General Application:

- Chemical tanks
- Industry vessels
- GRP composite construction
- Chemical equipment

