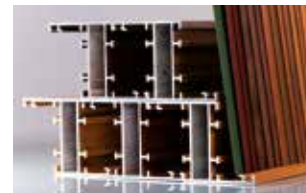


exal



Manufacturer of Aluminium profiles



Exal s.r.o.
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**High quality aluminium profiles directly
from the manufacturer**

Company Introduction

Exal s.r.o. is a dynamically progressing company in Komarno city, Slovakia. It was established in 2010 and since then it has expanded its activity with extrusion of aluminium profiles as well. The production is realised within a 60.000 m² industrial area in Kolárovo that includes an 20.000 m² industrial hall where next to the production line we have a modern horizontal powder painting line and a mechanical workshop as well. In this way, besides profile extrusion we can offer a complete service of powder painting, anodising, wrapping, protect foiling and mechanical processing of profiles. The production is executed on a new, modern extrusion line with high control of quality terms and by the only use of high quality materials.

Strengths of Exal s.r.o. among others are flexibility and short delivery time of the items.

A main and important goal of ours is to maximally satisfy the client's demands and to persistently develop our products, technologies and services at the best possible prices.

Our company guarantees quick and safe arrival of the products by our own logistic department and our own fleet of trucks.



Strengths of Exal s.r.o. are flexibility
and fast delivery of products



Manufacturing process

Profiles produced by Exal s.r.o. can be widely used. Besides the production of our own systems, we are able to satisfy the needs and requirements of other industries, such as car industry, logistics, building industry, lighting technology, ventilation technology, furniture industry or heating technology etc.

Extrusion, powder painting, anodising and wrapping are all carried out in our own factory and a special department deals with the mechanical working of the profiles.

Our company provides a full and comprehensive service.



extrusion



mechanical processing



anodising



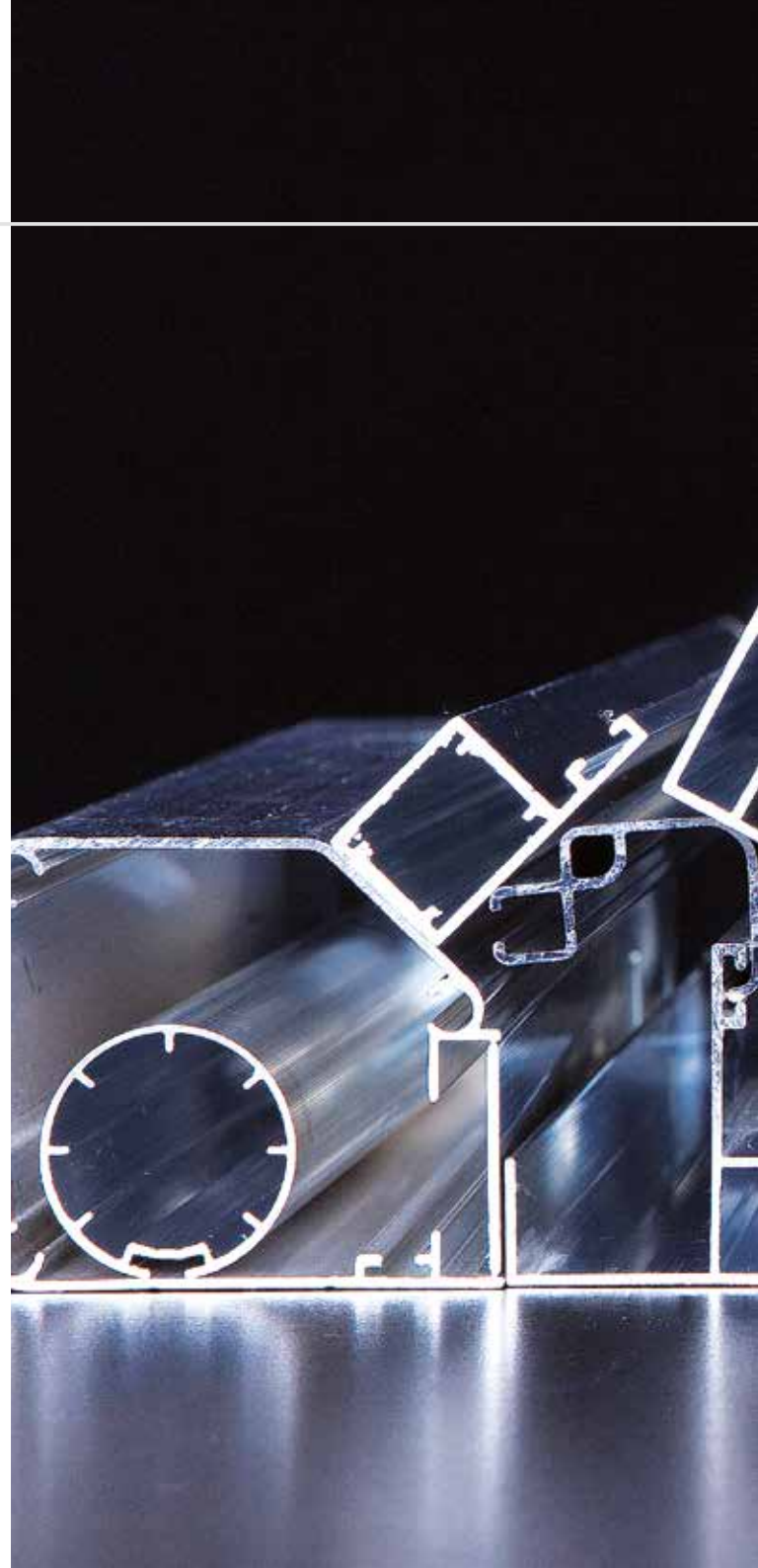
wrapping



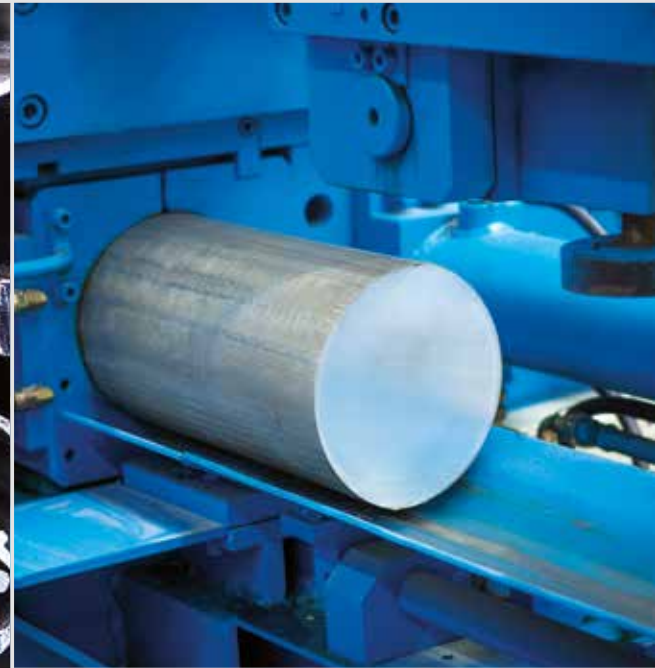
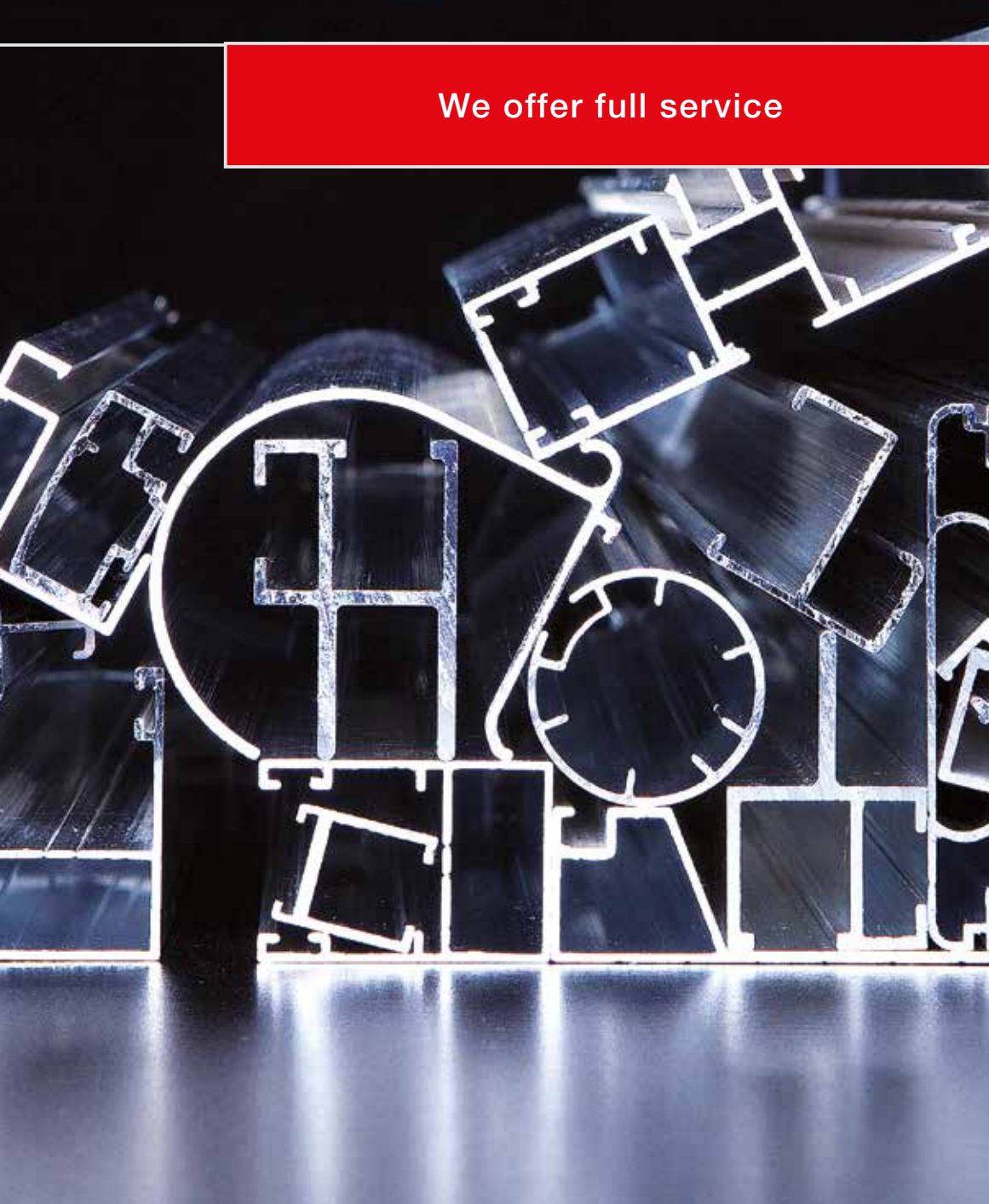
powder painting



packaging



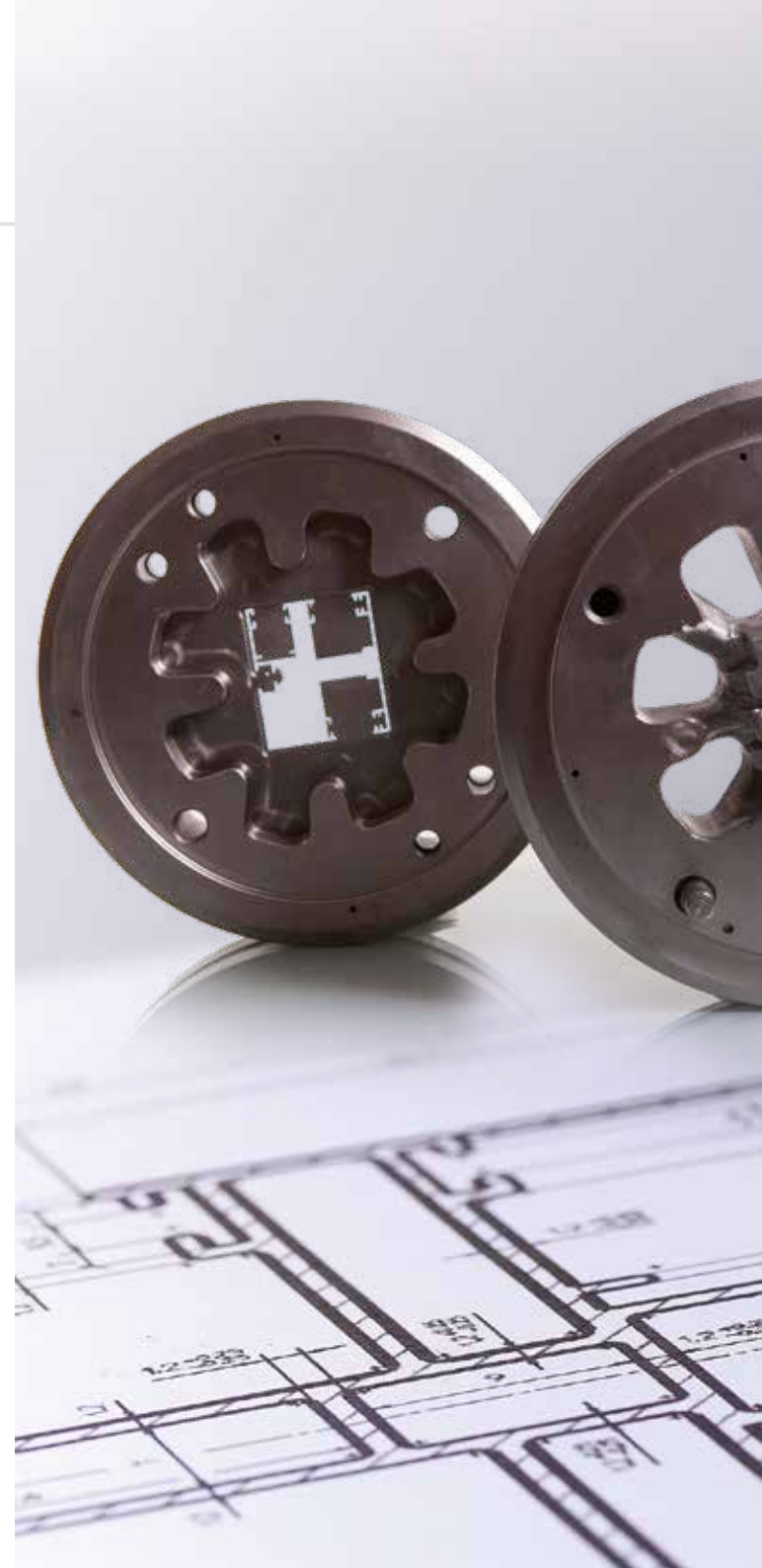
We offer full service

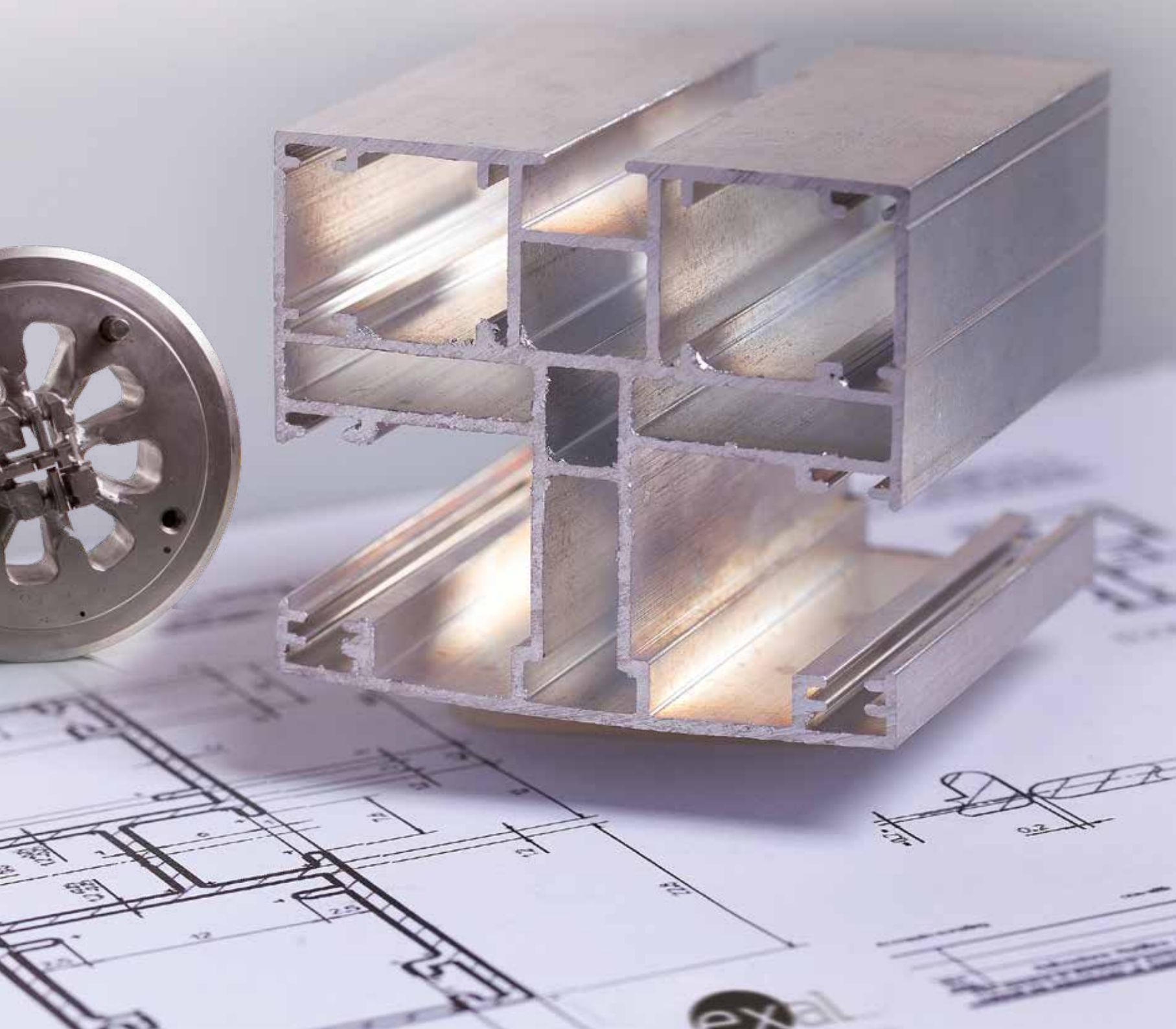


Design

At our department of designs 3 well-trained engineers are dealing with the designing of profiles. By using the most modern devices and technology of informatics they are able to realize the client's idea in the most efficient way. Our crew is prepared to attend the customers' needs quickly regarding both designing and consultancy.

Our construction department helps to plan the plastic accessories that suit to the aluminium profiles and systems. Our technologic staff collaborates with the best tool manufacturers, therefore we guarantee to deliver the best product in a short period of time and at a favourable price.





Extrusion

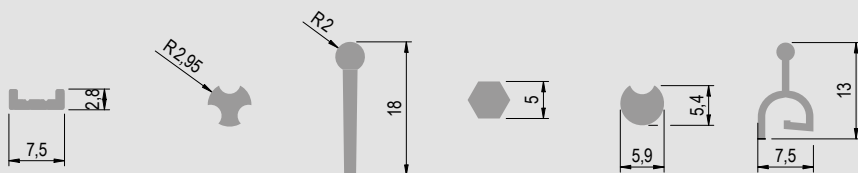
- 2000 tons extrusion press with billet diameter 7" (178 mm)
- 2000 tons extrusion press with billet diameter 7" and 6" (178 and 152 mm), suitable to press profiles with length even 13 m
- We work with high quality press tools made by the best international tool producers
- ISO 9001 qualification
- EN 755-9 and EN 12020 in accordance with European standards
- EN 755-2:2009 –T4-T5-T6-T64-T66
- Heat treatment in accordance with European standards
- Production of standard profiles
- Profiles by individual drawings

Alloys

Depending on the request of the customer and the application of profiles we produce from following alloys:

- EN AW-6005
- EN AW-6060
- EN AW-6061
- EN AW-6063
- EN AW-6082
- EN AW-6101
- EN AW-6463

Our modern technology makes us possible to produce aluminium profiles in excellent quality from 0,8 mm wall thickness and we undertake micro extrusion as well.





Profiles in accordance with your needs



Powder painting

With our new horizontal painting process we are able to solve the powder painting of aluminium profiles. The surface treatment begins with a 9 phase immersion in a passivating bath. The profiles are coated with a passive green chromate layer which creates a very strong coat on the surface of aluminium against corrosion. We control and monitor the process of surface treatment in a high-quality laboratory of ours in accordance with requirements of qualifier institutions. For the passive coat that evolves during the process of passivation, the supplier guarantees a 1500 hours salt spray test which means at least 10 years of corrosion resistance of the coat.

The configuration of Swiss made GEMA cabins with their extra modern (spraying) guns offer a perfect combination of high productivity and perfect painted surface.

The finishing process happens in a special oven, where as a result of the high temperature the powder lacquer solidifies to the surface. This machine which works with a quality automatic ventilation is tuned within totally precise quality borders. Thanks to this it satisfies all demands and needs. We always carry out and document the adhesional features and the mechanical properties of the painting on workpieces. In addition, it is confirmed by a quality certificate.

We work with acclaimed international suppliers such as Tiger, Akzo Nobel or Dupont, that guarantees the perfect and unimpeachable quality of painting.

Range of colours

- all RAL colours

Quality certificate





Electrostatic powder painting
for well-executed and steady surface

The image shows a section of an industrial electrocoat line. It features a complex structure of yellow metal frames and blue overhead conveyor systems. The scene is brightly lit, highlighting the industrial environment.



Wrapping

Our company uses the most modern equipment for the wrapping of aluminium profiles that guarantees the correct fitting and the perfect gluing of the foil.

Technology:

Onto the surface of profiles we wrap Renolit or Hornschuch type PVC foil with a two-component warm PU glue. The foil is UV-stabile and resists the weather conditions. Moreover, it has a very long durability.

Range of colours

- Renolit/Hornschuch

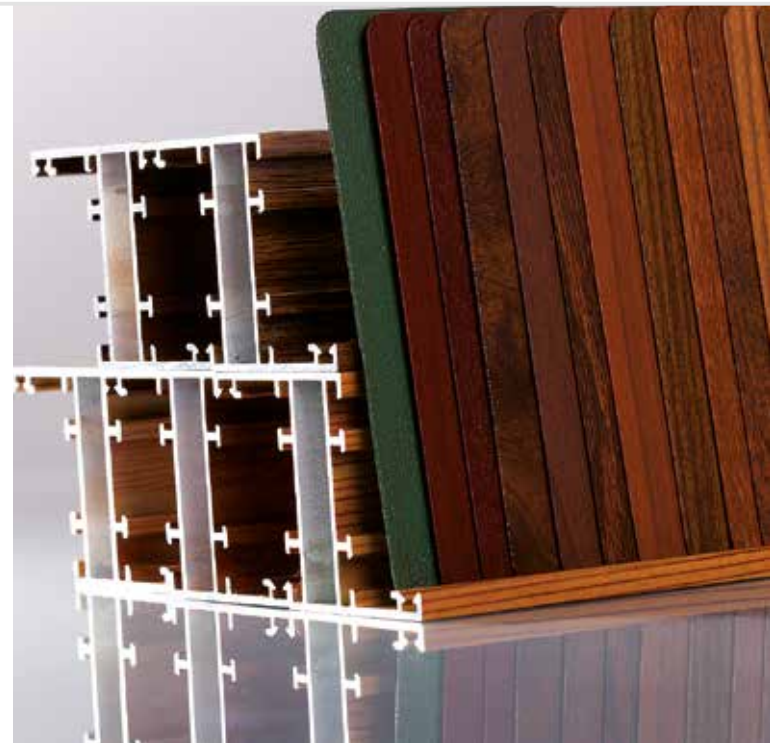


Wood decoration

To the configuration of decorative surfaces we offer the type of painting called Decoral System that is a wood-pattern painting-method executed by sublimal technology. The excellent wood-pattern painting has been used more and more widely throughout the world such as in case of doors or windows. What belongs to its advantages are among others that it increases the aesthetical appearance of profiles and it is durable, scratch resistant and UV-stabile.

Range of colours

- wood effect





Aesthetic look
- satisfying all demands

Anodising

The aluminium profiles are coated with thin oxide-coat by an electrochemical way in order to prevent it from corrosion.

Advantages:

- it protects the surface of aluminium profile from further corrosion
- it gives an aesthetic appearance to the product
- it makes the surface of aluminium harder, and therefore better
- the porous oxide coating that evolves during the process of anodising makes it possible to colour the surface according to individual wishes (for example black, blue, silver, gold, etc.)
- the surface treatment upgrades the properties of aluminium, for example thermal conduction by heatsinks



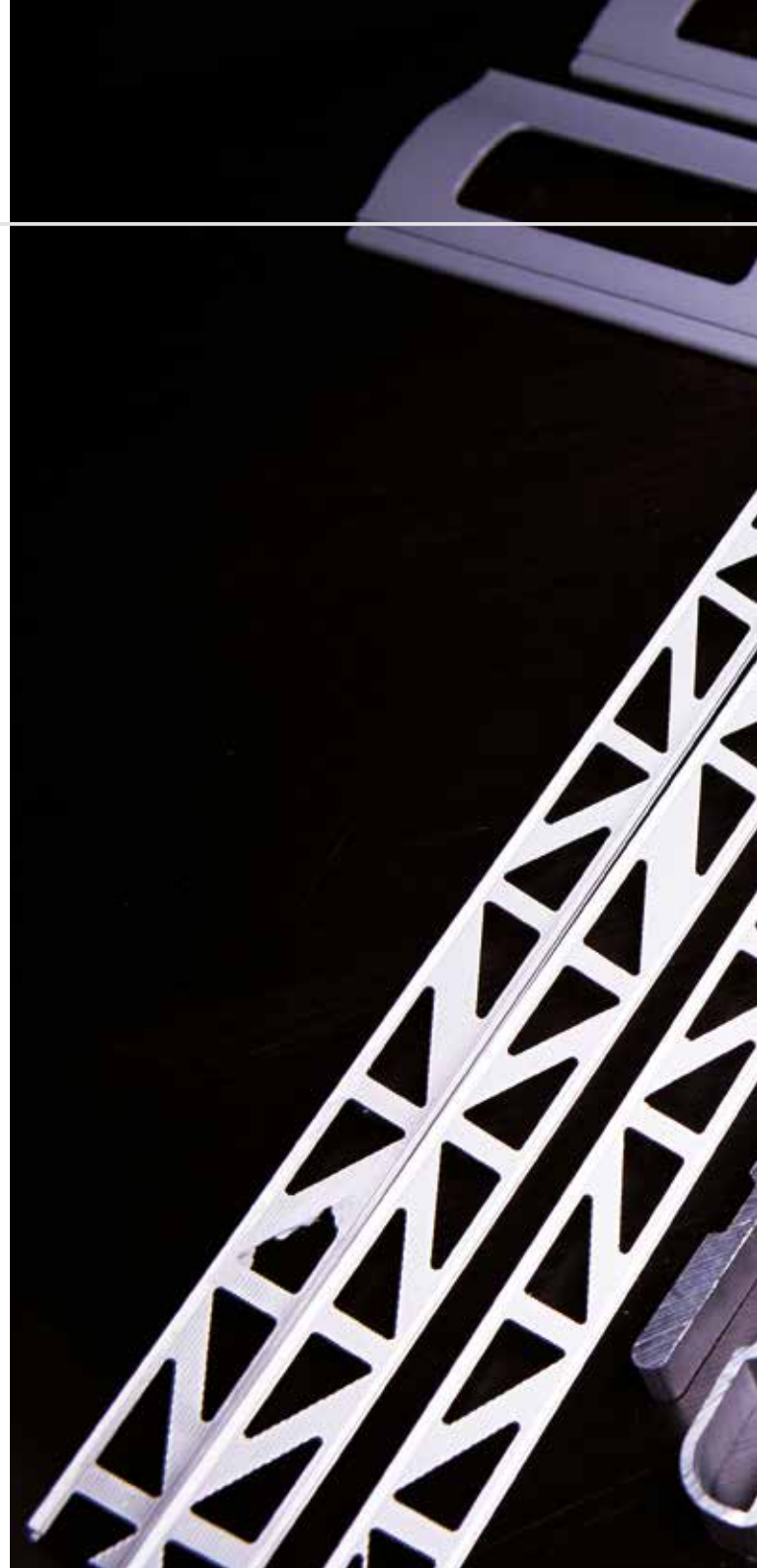


Modern design, elegant appearance

Mechanical processing

Exal s.r.o. offers to carry out the following additional mechanical processes on its aluminium profiles in accordance to the needs of the client:

- cutting to measure
- CNC working center
- drilling
- milling
- punching
- bending
- assembly of thermally broken system
- fixing of pile weatherstrips
- fixing of rubber
- mounting of two sided adhesive tape

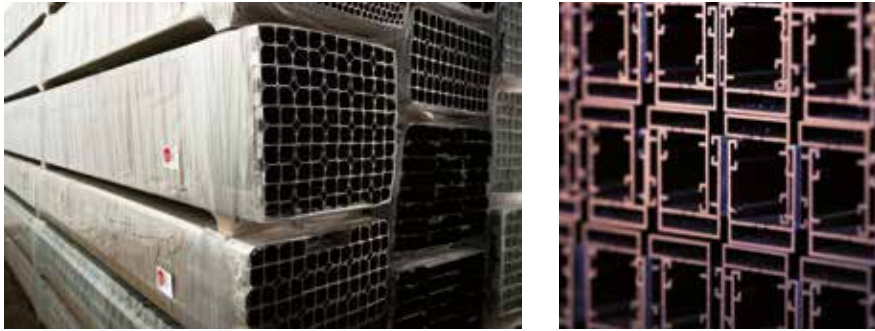


We offer tailor-made solutions



Packaging

On demand we deliver the painted / anodised aluminium profiles with a special protect foil to ensure the perfect protection of the surface. This way the profiles can be protected against scratches or any other damages on their surface.



Transport

With our fleet of trucks and the contribution of our logistic network we guarantee that the ordered items are delivered in the appropriate time to our customers.





We protect the surface of painted and anodised profiles



Ecology

We recycle the waste of aluminium at a 100 % rate.

Thanks to our own cleaning system the wastewater created during the painting process does not pollute the environment. We give the rest of the waste that we have from the cleaning process to expert waste-processors.



Environmental protection
is important for us



Industry

Aluminium and its alloys are nowadays widely used in different kind of industries because of their many positive attributes:

- easy malleability, tractability, good weldability
- small weight - big solidity
- corrosion resistant
- very durable



ARCHITECTURE

Doors
Windows
Fences
Winter gardens
Automatic doors
Barriers
Window sills

CONSTRUCTION PROFILES

Facade structures
Ventilators
Cable channels
Safety fences

INTERIOR BUILDING

Picture frames
Floor coverings
Curtain rails
Shower boxes
Doormats
Handrails
Shading
Insect screens

TRANSPORT AUTOMOTIVE INDUSTRY

Automotive industry
Truck and trailer bodies
Bus doors, windows
Train interiors
Bus stations
Bicycle wheels
Traffic signs





We are present everywhere...

HEATING, COOLING PROFILES

Solar collectors
Photovoltaic structures
Air condition
and ventilation
Grills and diffusers
Radiators



FURNITURE PROFILES

Wardrobes
Tables
Chairs



OTHER APPLICATIONS

Exhibition stands
Showcases
Display units
Lighting equipments
Hospital equipments
Conveyors
Aquariums
Solariums
Swimming pool covers
Mail boxes
Refrigerators
Household appliances
Suitcases

STANDARD PROFILES

Angles
Rods
Tubes
L profiles
T profiles
U profiles
Rectangular tubing



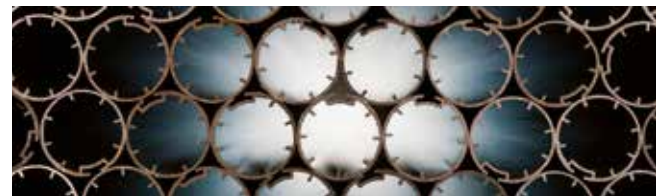
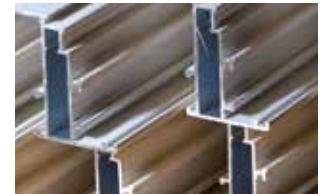


Feel free to get in touch with us!



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