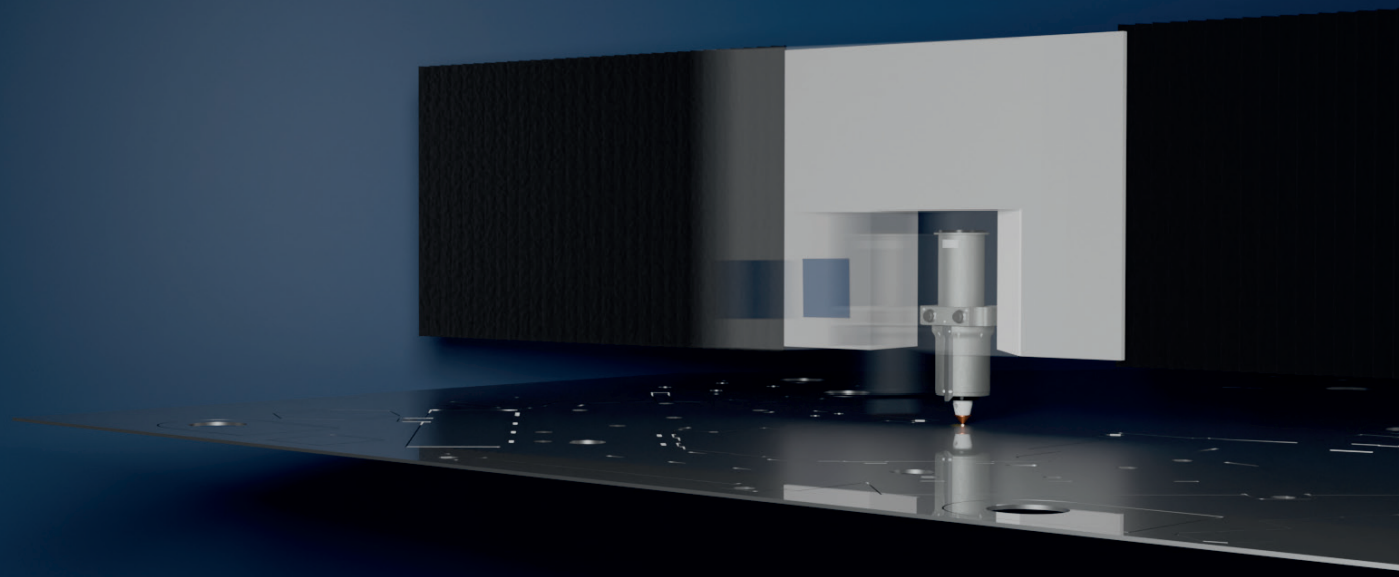
topcnc



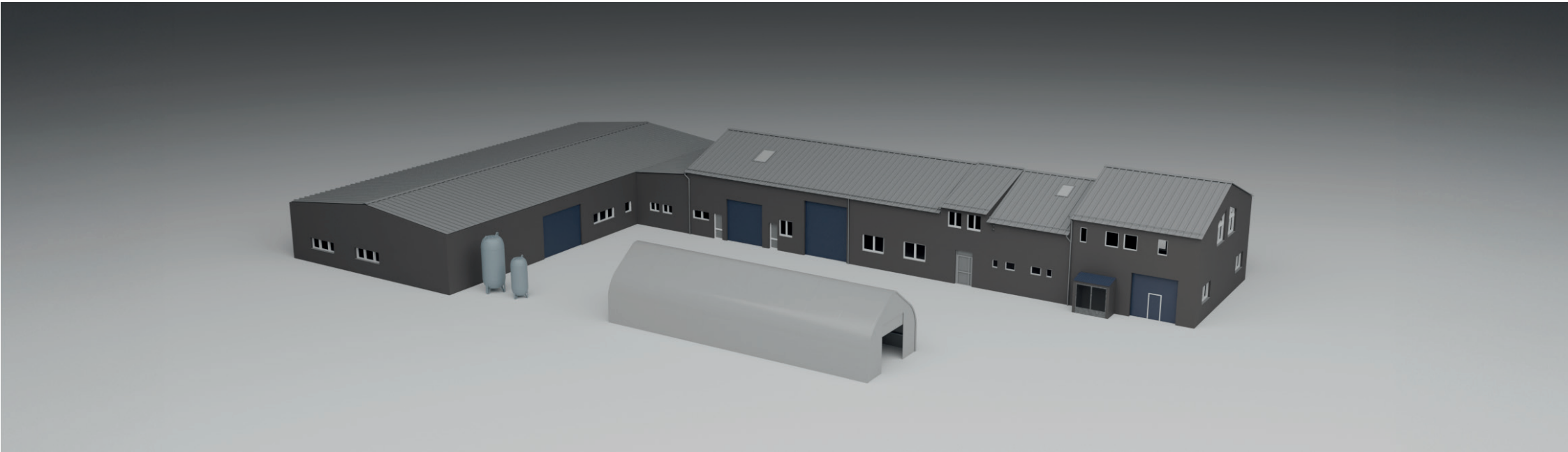
Top in the field of

sheet metal processing.

O NÁS

TopCNC is a stable Czech company that supplies to its customers with a wide range of sheet metal products and provides innovative and highly useful solutions, while ensuring optimal utilization of production processes.

The comprehensive and versatile structure of the company's machinery allows us offer complete production of products while ensuring maximum convenience for clients. All this is achieved with the help of modern machinery and experienced personnel.



OUR PRIORITIES

Personal safety,
satisfied customers,
satisfied team.

Values we offer

- High-quality products
- Knowledgeable, well-skilled and qualified staff
- Innovative solutions for our customers' needs
- Efficient use of resources and cost management
- Reliable delivery times and flexibility in deliveries

ABOUT US

- Founded **in 2010**.
- More **than 20 years** of experience in sheet metal processing.
- Production hall covers **1,980 m²**
- Currently employs **75 qualified** staff.
- **ISO 9001**, **ISO 14001**, **ISO 45001** a **ISO 3834-2** certified since 2025.

TECHNOLOGICAL EQUIPMENT

Machines:

- 2x **TRUMPF** CNC laser cutting machines
- 1x **TRUMPF** CNC combined punching and laser machine
- 3x **TRUMPF** CNC press bending machines

Software equipment and production process management:

- **HELIOS iNuvio** information system for production management and monitoring
- Compatibility with all CAD systems and files
- Licenses – **TruTops Boost**, **SoliWorks**, and **DraftSight**

TYPICAL MATERIAL QUALITY USED IN OUR COMPANY

Samples of used raw materials:

Carbon steel

- Typical grades (DC01, S235JR, spring steel, S275JRG, galvanize sheets DX51D+Z275, electrogalvanized sheets DC01+ZE25/25, RAEX, P265GH and many others.

Stainless steel

- Normal and high-quality stainless steel (according to DIN1.4301, 1.4306, 1.4404, according to AISI 304, 304L, 316L, 316Ti).

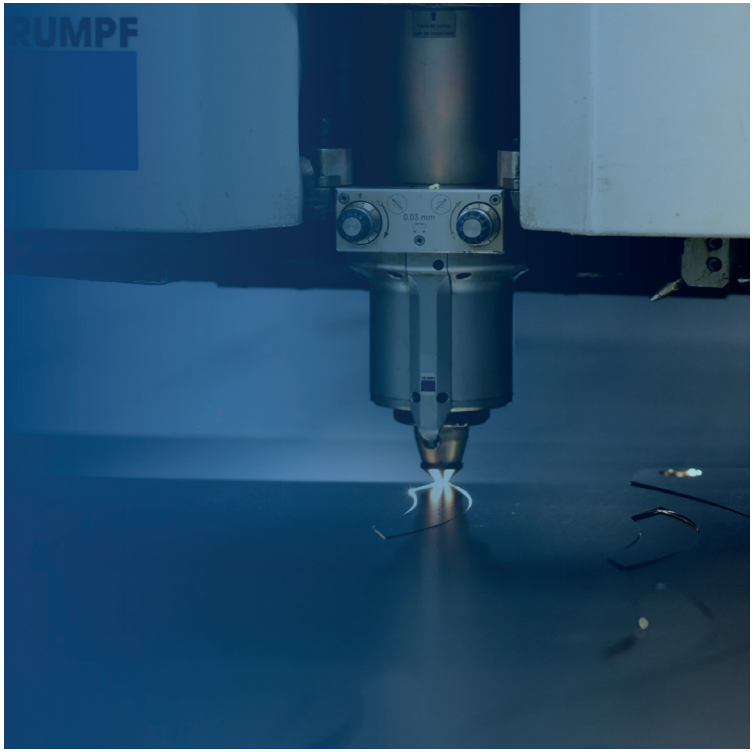
Alloys

- Aluminum and alloys (AL99%, AW1050, AW5754 (dural), copper, brass).

CNC LASER CUTTING OF SHEETS

We have two CO2 laser machines (Trumpf) with a power output of **3,2 kW** and **4,0 kW**. We produce complex shaped cutouts from ferritic steel, stainless steel, and aluminum alloys at a high level.

The programmable accuracy is **0,01 mm**.



Laser cutting parameters

Working range:
3000 x 1500 mm

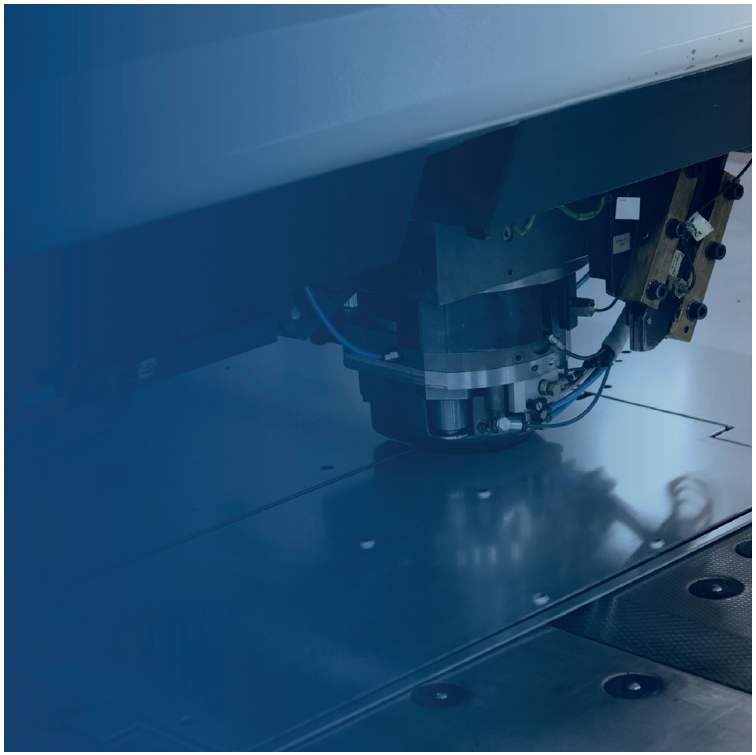
Maximum cutting thickness:

20mm	15 mm	8 mm
carbon steel	stainless steel	aluminum alloys

We can process other thicknesses and dimensions upon prior agreement.

CNC PUNCHING OF SHEETS

At our dispose is also one combined machine from Trumpf. Due to to this combination, we are able to create **perforations**, various special **embossings**, **ventilation holes** or **threads** directly on the machine, in various materials and complex contours.



Punching parameters

Working range:
3000x1500 mm

Maximum cutting thickness:

8 mm	5 mm
carbon steel	stainless steel

Maximum punching thickness:

5 mm	2 mm	5 mm
carbon steel	stainless steel	aluminum alloys

We can process other thicknesses and dimensions upon prior agreement.

CNC BENDING OF SHEETS

We have three CNC bending machines Trumpf, which we use to **edge**, **bend**, and **shape products using radius tools** of various sizes, create **"Z" bendings**, and perform other bends.

Bending parameters

Max bending lenght:
3000 mm

Maximum press power:
170 tons

Maximum thicknes of bending:

carbon steel	stainless steel	aluminum alloys
12 mm	10 mm	8 mm

We can process other thicknesses and dimensions upon prior agreement.

WELDING

We perform welding work by using of resistance welding. We do the welding of raw material like steel, stainless steel, and aluminum by using **TIG**, **MIG**, and **MAG** methods. All these mentioned by using of the most modern working procedures. We also have a rotary welding machine tool.

Welding parameters

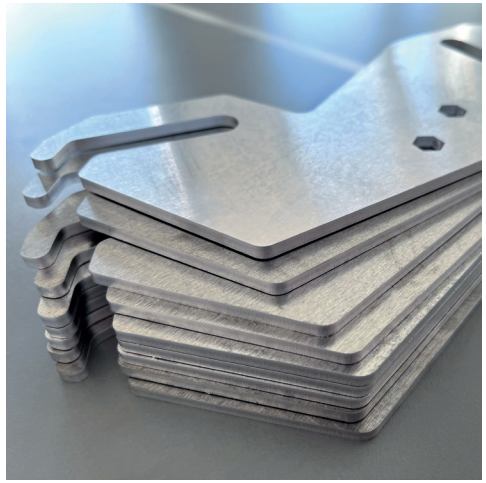
Raw materials:
carbon steel, stainless steel, alloys

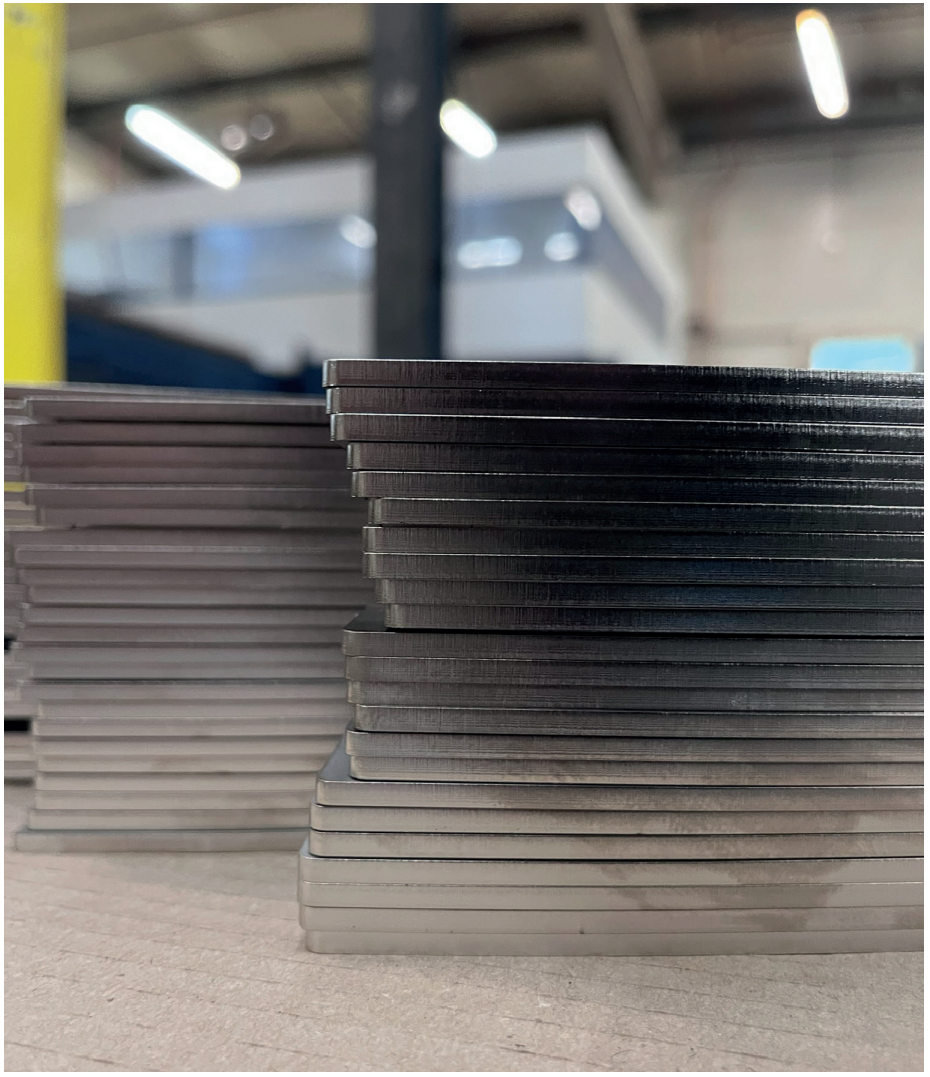
Welding methods:
TIG, MIG, MAG

Maximum thickness of the welded part:
Maximum thickness 40 mm.

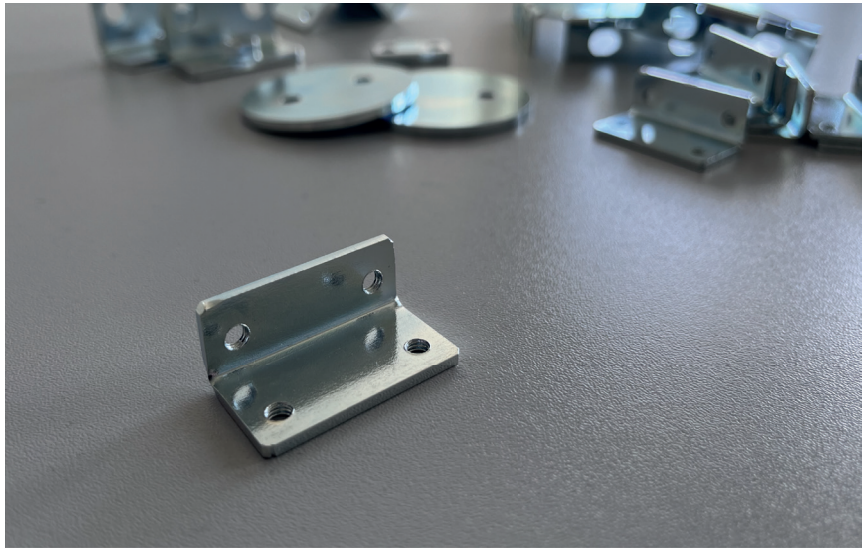
We can process other thicknesses upon prior agreement.

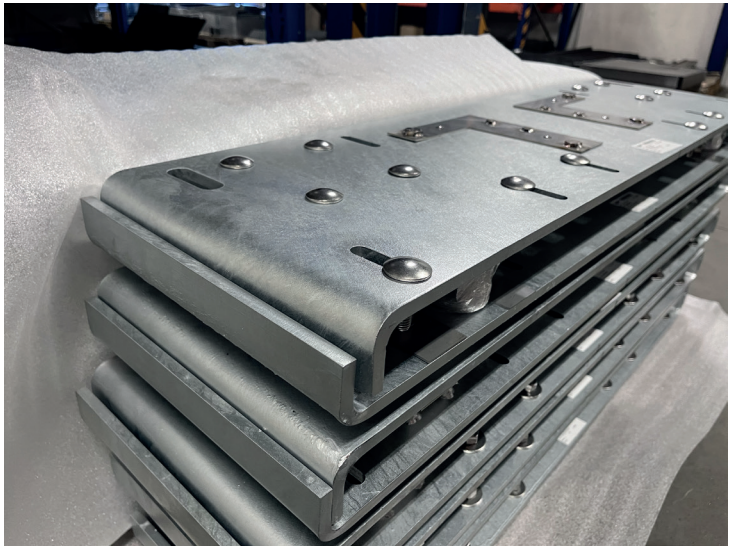
SAMPLES OF TYPICAL LASER CUTTING PRODUCTS

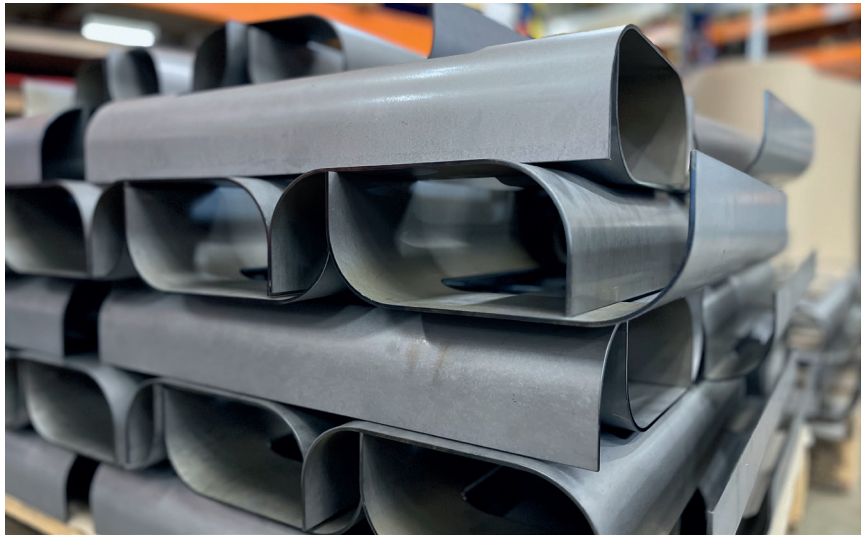


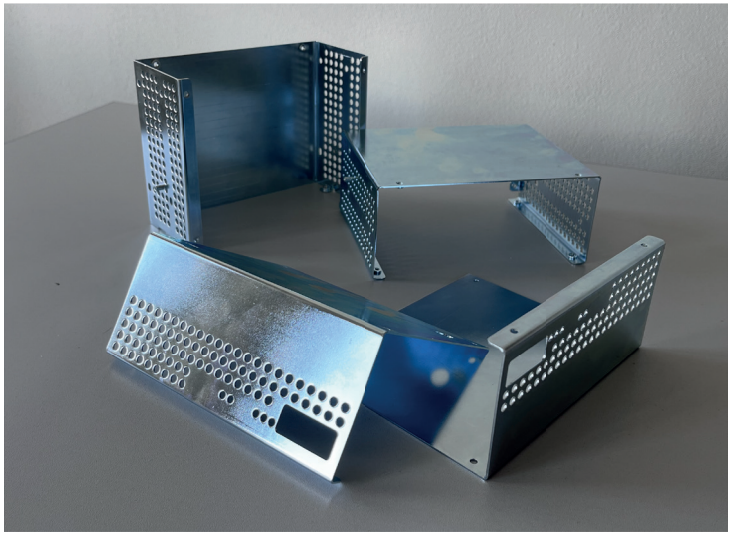


SAMPLES OF TYPICAL BENDED PRODUCTS









SAMPLES OF TYPICAL WELDED PRODUCTS

SAMPLES OF TYPICAL BIGGER CONSTRUCTION INCLUDING SURFACE TREATMENTS

REFERENCES

Assembly unit

Cabinet for hydraulic equipment

We're doing a lot on this piece. We cut the joists, from which we then create a structure, which we then cover and install hinges, seals and other accessories once we have tested everything. We send the components of this assembly to be painted and then reassemble and prepare for shipment to the customer.

A cell for a robotic workplace

The steel frame together with the precisely machined aluminum plates for fixing the preparations form the whole of the robotic workplace. Clear polycarbonate inserted into the cladding. Doors equipped with fittings and locks. Precise execution for the final foreign partner.

REFERENCES

Means of transport

Electronic cabinet for flight operations

We supply mobile typified racks for electronics to aviation operations, which consist of aluminum rolled profiles, sheet metal components, plastic components and connecting material. Powder coated in two shades.

Handle attachment

Attaching the handle to rolling stock. This stainless steel part is composed of a machined part and a sheet metal part. Welded by the TIG method, the edge is manually processed and deburred after laser burning.

REFERENCES

Automatization and robotisation

Assembly trucks

Automotive assembly trucks. It serves for the transport of components used in production and assembly in the automotive industry.

Roller conveyor

In the picture you can see the roller conveyor, which was created on the basis of a frame welded by us and supplied components from the customer's supplier.

Rod

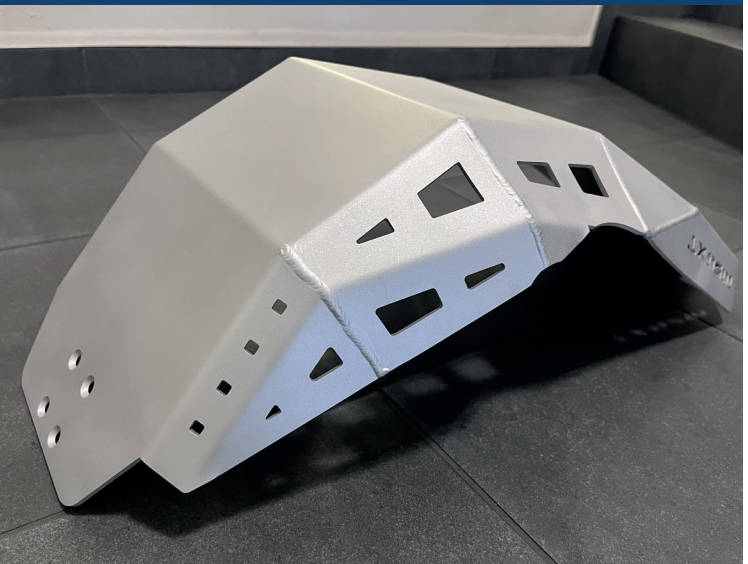
Tolerated turned parts with a thread welded in a fixture on a bent sheet metal part. A tie rod allowing movement between two articulated joints, with a predetermined pitch and perpendicularity.

REFERENCES

Other

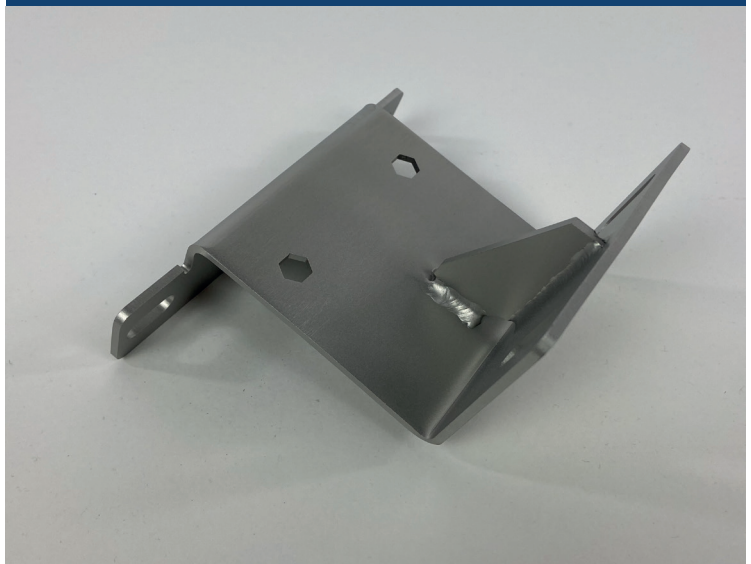
Aluminum cover

Viewing cover made of aluminum alloy, with a conical recess for countersunk head screws, welded by the TIG method. The part is reground, the surface of the part is united by blasting.



Sensor holder

Our domain is also small parts that find application in complex units or as separate parts for any use.



...and much more.

CONTACT PERSON

Spáčil David - Managing director

+420 604 372 857

spacil@topcnc.cz

www.topcnc.cz

Závodní 1798, areál dolu Fučík
735 41 Petřvald u Karviné

WHERE YOU CAN FIND US

TopCNC s.r.o.

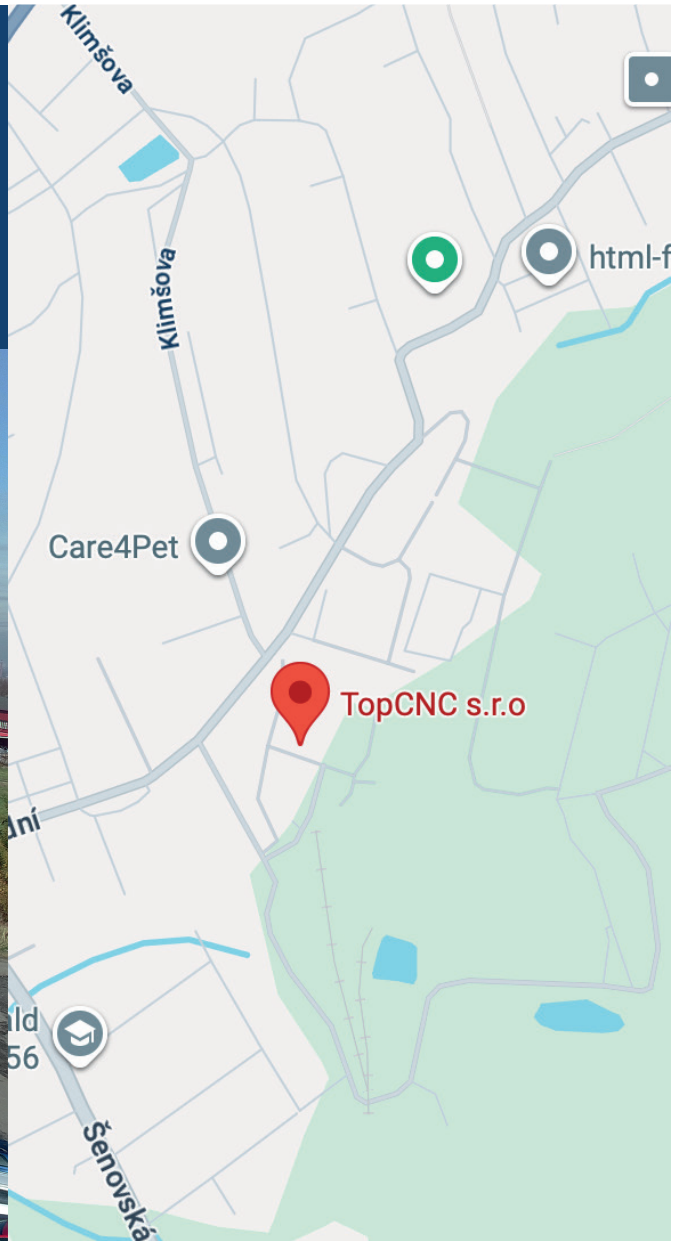
Jamnická 64
Staré město
738 01
Česká republika

Production

Závodní 1798
Petřvald u Karviné
735 41
Česká republika

Registration datas and VAT nr.

IČO: 28622782
DIČ: CZ28622782
Č.Ú.: 5301199001/5500



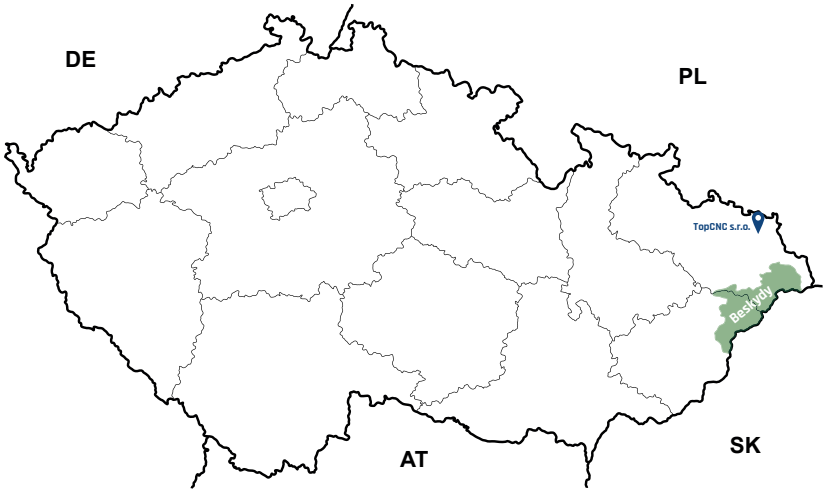
CITY OSTRAVA

- Located in the northeast of the Czech Republic, near the foothills of the Beskydy Mountains.
- Population - **330,000**.
- **In 1782,** extensive fields of black ore were discovered.
- Thanks to its proximity to black ore deposits, Ostrava became an important center of metallurgy and engineering market in Central Europe.

SIGHTSEEING

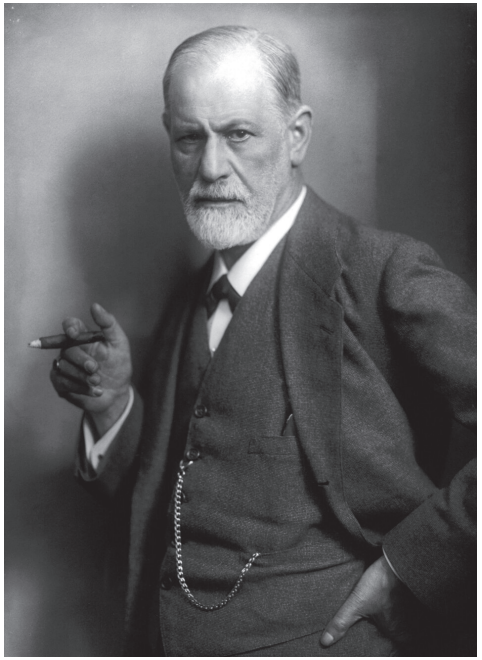
- Great for leisure and „free-time“ activities.
- Suitable for cycling, Nordic walking, horse riding, and skiing.
- The highest peak is **LYSÁ HORA**, which is **1,328 m** above sea level.

Beskydy

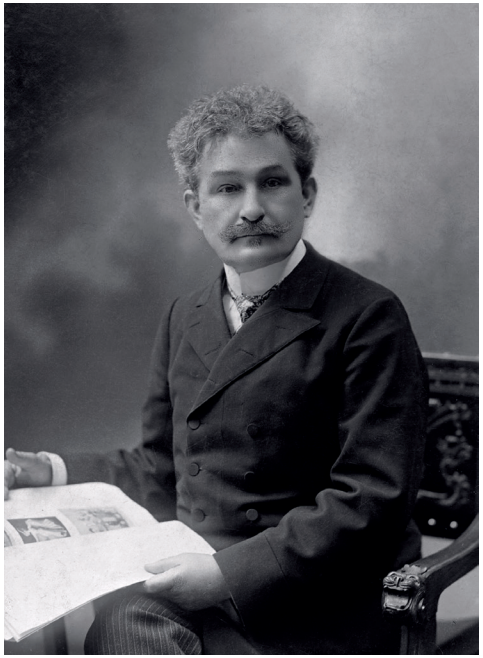


PERSONALITIES FROM OUR REGION

SIGMUND FREUD



LEOŠ JANÁČEK



PETRA KVITOVÁ

MILAN BAROŠ

Thank you for your attention