

**INNOVATION IN
ENGINEERING,
TRADITION IN
RELIABILITY
FOR 16 YEARS.**

LUMASEK



WWW.LUMASEK.SK





LUMASEK



Innovative CNC technology and precision welding. We are your reliable partner in metalworking with attention to quality and detail.

Our journey began with a clear vision - to bring to the Slovak and European market top metalworking and welding services at a level that exceeds even the most demanding expectations. LUMASEK s.r.o. was established in 2008 as a response to the growing demand for precision metal processing using the latest technologies.



Why are we special?

- **Cutting-edge technology:**
We have state-of-the-art equipment, including laser cutting capacity up to 60mm material thickness and CNC machines
- **Comprehensive solutions:**
From design to final implementation, we provide all services under one roof
- **European standards:**
Our processes are certified and meet the most stringent European standards
- **Experienced team:**
Our experts have many years of experience in metalworking and welding

We offer:

- Laser cutting
- Metal working
- Welding and locksmith work
- Bending
- Rolling
- Vibratory stress reduction
- Material cutting
- Surface finishes
- 3D measurement
- Assembly



Laser cutting with Marvel 6025 20kW up to 60 mm thickness

The MARVEL series of CNC fiber cutting lasers are manufactured by HGTECH in accordance with international standards. The 2D lasers are especially preferred in metal processing due to their strong cutting capability, high processing speed, durability, high processing quality, low maintenance cost and high adaptability. 2D laser cutting machines use components and assemblies mainly from European manufacturers.

Structural steel
up to max.
60 mm

Stainless steel
to max.
60 mm

Aluminium alloys
up to max.
30 mm

45° bevel
structural steel
up to max.
30 mm



LUMASEK

Cutting- edge cutting technology

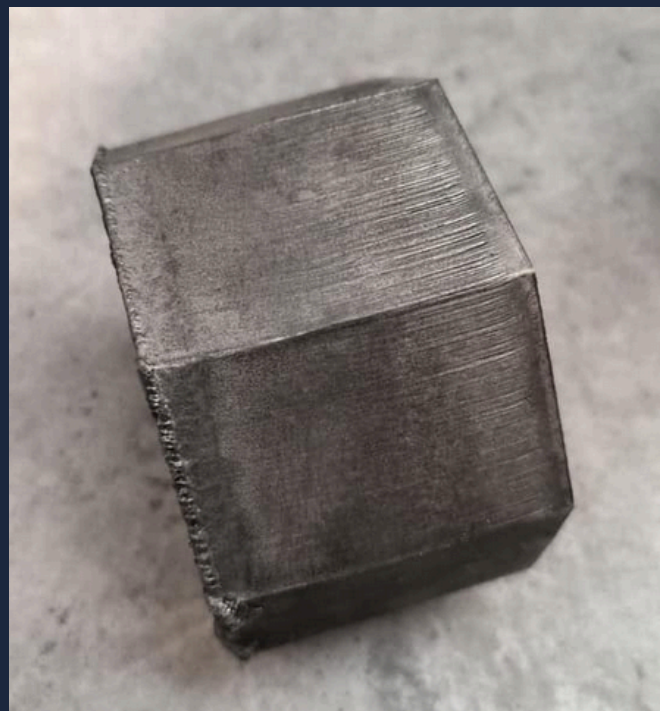
Our HIGH-POWER MARVEL laser represents the cutting edge in laser cutting with an exceptional power of 20 kW.

It can handle:

- Structural steel up to 60 mm
- Stainless steel up to 60 mm
- Aluminum alloys up to 30 mm
- 45° bevels on structural steel up to 30 mm

With the BEVEL tilting head, we create precise bevels according to your requirements. The 6080 x 2570 mm work area provides space for both large structures and precision parts.

High performance means faster cutting, shorter lead times and minimal need for further machining - saving you time and costs!





MILLING:

5-axis Machining Centre: T9 2600 R1

Why is 5-axis machining revolutionary?

Unlike traditional 3-axis machining, our new centre can work in five axes simultaneously, enabling:

- Machining complex shapes in a single clamping operation
- Access to the part from virtually any angle
- Significant reduction in production time

Our 5-axis centre is ideal for complex parts, moulds with complex geometries, precision components for industry or high-precision prototypes.





MILLING:

- **3-axis machining:
Spinner VC 1650**
- **SPINNER TC800L – 110
– MCY – SIEMENS 840
DE**



SPINNER TC800L – 110 – MCY – SIEMENS 840 DE

HORIZONTAL DRILLING MACHINE: HORIZONTAL DRILLING MACHINE / BORING MILL

Control system: HEIDENHAIN - iTNC 530 HSCI

- **Working spindle diameter: 130 mm**
- **Work spindle extension W: 800 mm**
- **Vertical spindle extension (Y): 2000 mm**
- **Table adjustment lateral (X): 3500 mm**
- **Stand adjustment (Z): 1600 mm**



**HORIZONTAL DRILLING MACHINE /
BORING MILL**

Welding and locksmith work /TIG, MIG, MAG/



Zváračko-zámočnícke práce

Zváranie bežných materiálov, nerez a hliníka metódou TIG a MIG/MAG.

- Certifikovaní zvárači
- Moderné zvaracie technológie
- Komplexné riešenia na mieru

KONTAKTUJTE NÁS

Other technologies that complete our production



Povrchové úpravy

- Otryskávanie
- Lakovanie
- Balotínovanie



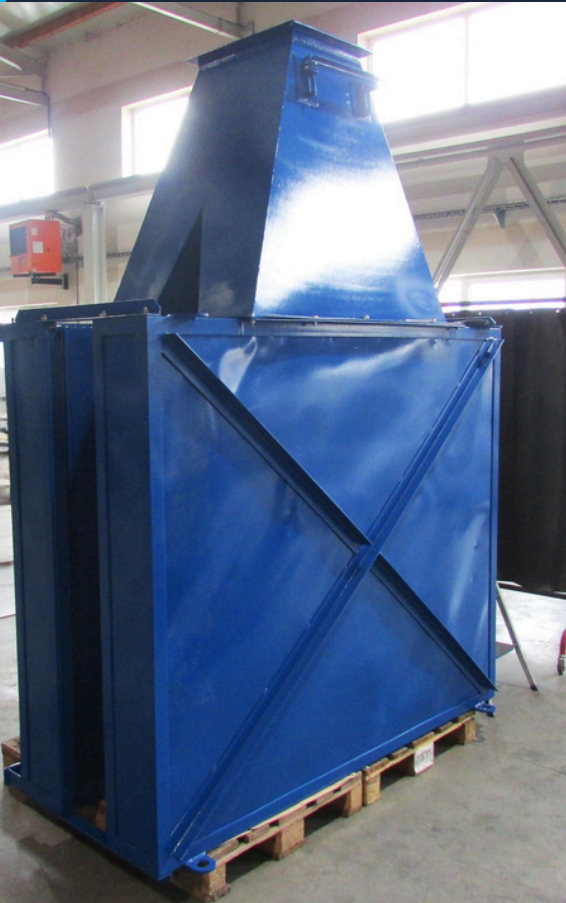
3D meranie s HEXAGON Absolute Arm 8530-7



Výrobky a montáž

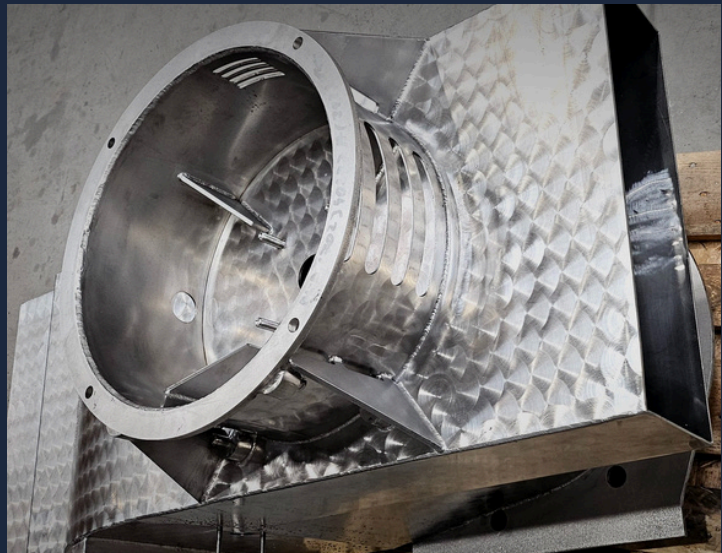
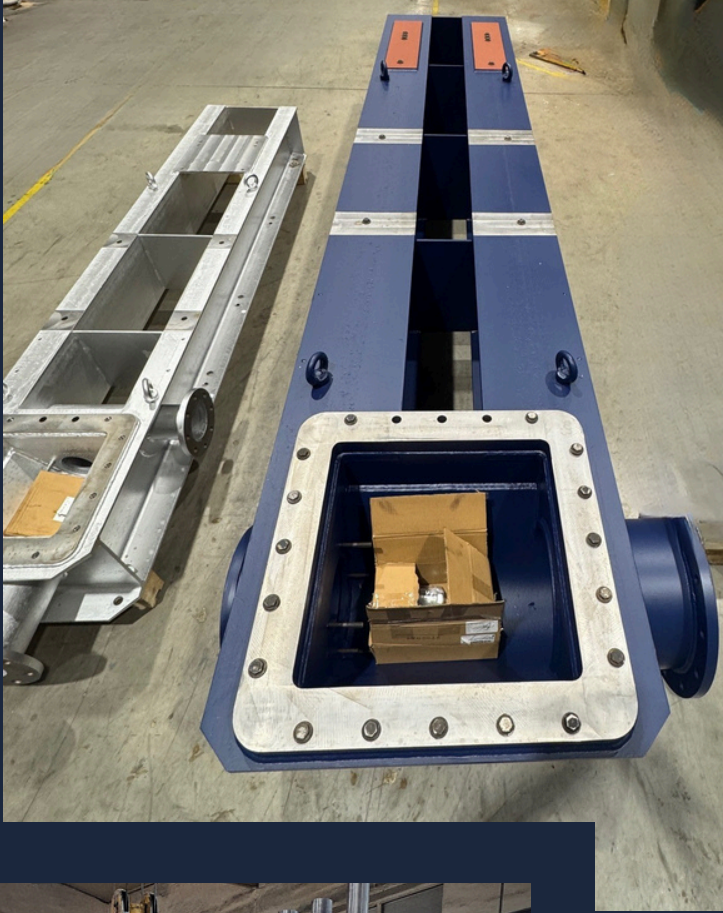


Our work





Our work



LUMASEK

Our work





Be part of our story and find out how we can take your projects to the next level together.



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