

 ELEKTROTERMIA

metal processing department



[www.elektrotermia.com.pl](http://www.elektrotermia.com.pl)





# Laser 3D

BLM LT 8.10 Fiber

- laser power 3 kW
- processing of sections and pipes in the range of 12 - 200 mm
- machining of angles, brackets, cee sections, T-sections, I-beams, etc.



## Laser 2D

Our machinery allows cutting the following materials:

- steel of ordinary quality up to 30 mm
- stainless steel (inox) up to 30 mm
- aluminium up to 30 mm
- brass up to 15 mm
- copper up to 12 mm

Maximum sheet metal size: 4,000 x 2,000 mm



Bystronic

## Press brakes

We have press brakes with a pressure of up to 250 tons.

Maximum bending length: 3,100 mm



# Steel structures



Manual welding using methods:  
TIG / MIG / MAG

Automated welding: welding robot  
Station dimensions: 3,000 x 2,400 mm

We fabricate welds in the following types of construction:  
steel / stainless / aluminium.

The standards we have implemented:  
EN 1090-1 and ISO 3834-2.



Our machinery allows us to perform  
a number of works, including:

- welding and pressing of fasteners
- threading
- hole chamfering
- rolling
- band saw cutting
- pipe bending
- machining



We have an assembly plant for finished products with quality control. Using CAD programs, our designers can prepare 2D and 3D designs. We work based on the resources received, and we can also create our own documentation.



# Powder coating shop

We have a semi-automatic painting line to perform powder coating services.

Maximum dimensions of elements for painting:  
length 3,000 x height 1,500 x width 850 mm.

The technological process of the paint shop in our plant:

- mechanical preparation of surfaces for painting
- degreasing with phosphating Eskaphor W710
- rinsing with water from the municipal mains
- rinsing with DEMI water
- Eskaphor P355 chrome-free passivation
- rinsing with DEMI water
- drying
- applying paint with WAGNER equipment
- polymerisation of paints at temperatures from 160°C to 210°C

The durability and quality of the paint coating are tested  
in a salt chamber.

**AkzoNobel**

**RIPOL**  
THE POWDER COATING COMPANY



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## Production facility

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