

Materials Services  
Materials Poland

Premium  
services  
for industry



thyssenkrupp



At thyssenkrupp Materials Poland, we provide comprehensive support to industry, combining material supply, precision machining, production, and logistics into tailored solutions that work with our customers to build real value for their businesses.

**4** regional  
warehouses

**2** material  
processing  
centers



**20** sales  
offices



**1,000**  
employees

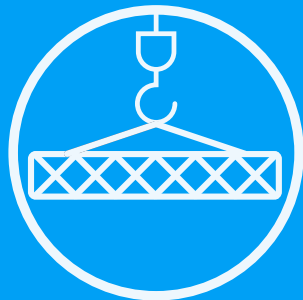


in **3**  
countries



# Materials as a service

In our „Materials as a Service” strategy, we focus on the customer and their real needs. We thoroughly analyse our customers’ processes to deliver modern, personalized solutions that really work.



Production of components



Processing and serial production



Supply chain integration



Materials supply



Consulting and design



Warehousing services

**Discover our capabilities.**



### Materials supply

Timely and flexible deliveries of a wide range of metals and plastics from our own warehouses, ensuring continuity of production processes.



### Warehousing services

Secure storage of materials and products with full inventory control.



### Supply chain integration

Comprehensive management of the flow of materials, information, and processes in the supply chain.



### **Processing and serial production**

Material processing and serial production while maintaining consistent quality and high standards.



### **Consulting and design**

Expert support in the selection of solutions, process optimization, and technical design.



### **Production of components**

Manufacturing of complete components ready for assembly or further use.

## Comprehensive manufacture of and steel structures

We provide a **full range of services** related to the design and construction of steel structures, ensuring **the highest standards of quality and safety**. Production is carried out in accordance with **the requirements of applicable standards**, guaranteeing **full technical compliance** and **reliability** of finished structures.

- PN-EN 1090-2 (EXC2 and EXC3 execution classes),
- PN-EN ISO 3834-2.

### Welding technologies

We use advanced welding methods tailored to different types of structures:

- MAG (135) – arc welding in an active gas shield,
- TIG (141) – non-consumable electrode welding in an inert gas shield,
- SAW (121) – submerged arc welding,
- each joint is made in accordance developed and approved WPS / WPQR technologies, under the supervision of the Chief Welder IWE (Welding Engineer).

### Materials

We manufacture steel structures from a wide range of grades:

- structural carbon steels: S235, S355, S420, S460, S690QL, S700MC, Hardox®, Weldox®, Corten®,
- stainless steels: austenitic, ferritic, and duplex,
- aluminum.



Carports and charging stations, Denmark

### Certificates and licenses

Our experience and qualifications are confirmed by numerous certificates:

- CL1 PN-EN 15085 – for the railway industry,
- license for the production and sale of products for military and police use,
- EPD environmental declaration for steel structures – particularly important for the construction sector.

### Quality and control

Each structure has a complete set of quality documents and NDT test reports (VT, MT, UT, RT, PT). We also mark them with the CE mark.

### Corrosion protection

At the customer's request, structures can be additionally protected against corrosion by:

- hot-dip galvanizing (PN-EN ISO 1461),
- spray painting (PN-EN ISO 12944),
- powder coating.



## Projects by industry

- Road
  - Sound barriers
  - Road gantries
- Railway
  - Signal poles
  - Traction poles
  - Sound barriers
- Bridge
  - Barriers
  - Stairs
  - Bearings
  - Caissons
  - Mobile scaffolding systems for the construction of concrete bridges
- Architectural and construction
  - Storage and production halls
  - Tent halls
  - Railings and balustrades
  - Staircases
  - Advertising pylons
  - Electric car charging stations
- Mechanical
  - Stone crusher structures
  - Machine components
  - Overhead crane beams
- Transportation
  - Railway carriages
  - Bus chassis and body frames
  - Transport trailers
  - Truck trailer components



# Materials and processing services

Carbon steel  
Stainless steel  
Aluminum  
Plastics





## Cutting from coil to sheets

NOVASTILMEC CTL (CutToLength) line

### Technical parameters

thickness range	3-20 mm
max. coil width	2,100 mm
max. sheet length	14,000 mm

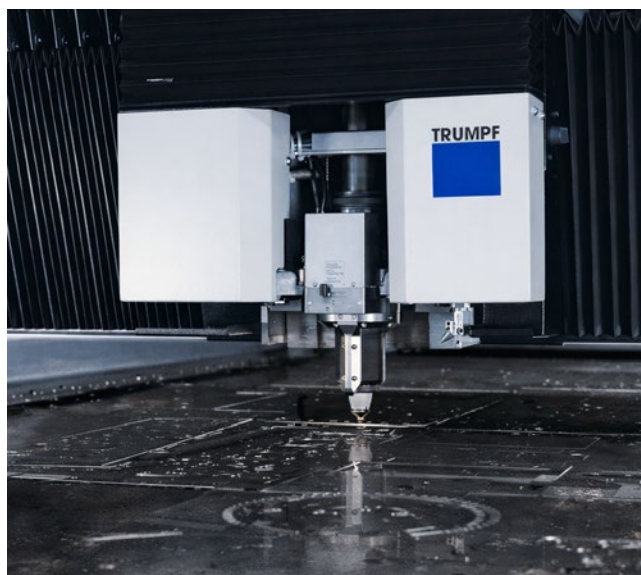


## 2D laser cutting

TRUMPF laser

### Technical parameters

max. size	up to 2,000 x 6,000 mm
max. thickness	up to 30 mm



## Plasma / gas cutting

### Technical parameters

max. size	up to 3,000 x 16,000 mm
max. thickness	up to 300 mm
number of burners	2 - gas cutting 1 - plasma cutting





## Bending

TRUMPF press brake

### Technical parameters

bending length	do 4,200 mm
max. pressure	do 320 t



## Deburring

COSTA

### Technical parameters

max. workpiece dimensions	~1,350 mm
thickness range	min. 3,0 - max. 160 mm
max. edge blunting	R 1,5 mm



## Shot blasting and priming

GIETART

### Technical parameters

max. width	2,000 mm
max. height	500 mm
max. length	14,000 mm
min. sheet thickness	6 mm





## Edge chamfering

TRUMPF TruTool 1500 / GERIMA  
/ RAS-50 Auto

### Technical parameters

mechanical chamfering

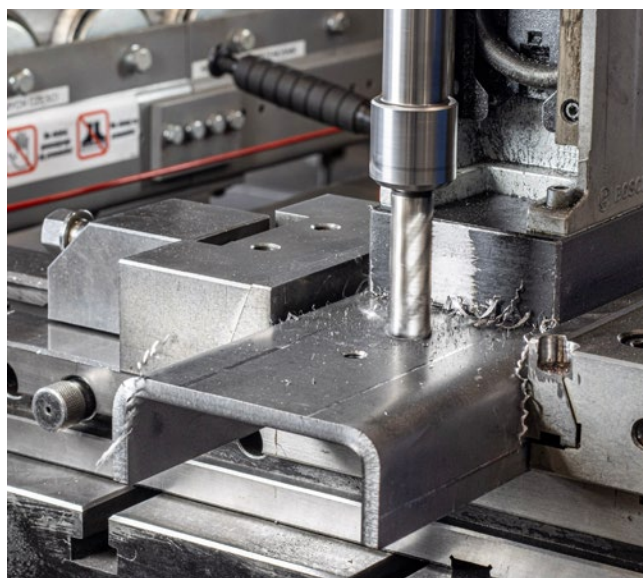


## Drilling, threading, chamfering edges

Electromagnetic drill PRO-152T ZALCO

### Technical parameters

max. drilling diameter with a cutter	150 mm
max. drilling diameter with drill bit	47 mm
max. thickness of drilled material	100 mm
blind threading	up to M33
min. thickness of drilled material	10 mm



## CNC machining of parts (edge chamfering, hole drilling, threading, milling)

MAZAK VTC 820/30/ gas

### Technical parameters

work table dimensions	3,000 x 820 x 720 mm
table load capacity	2,500 kg
number of machining axes	3



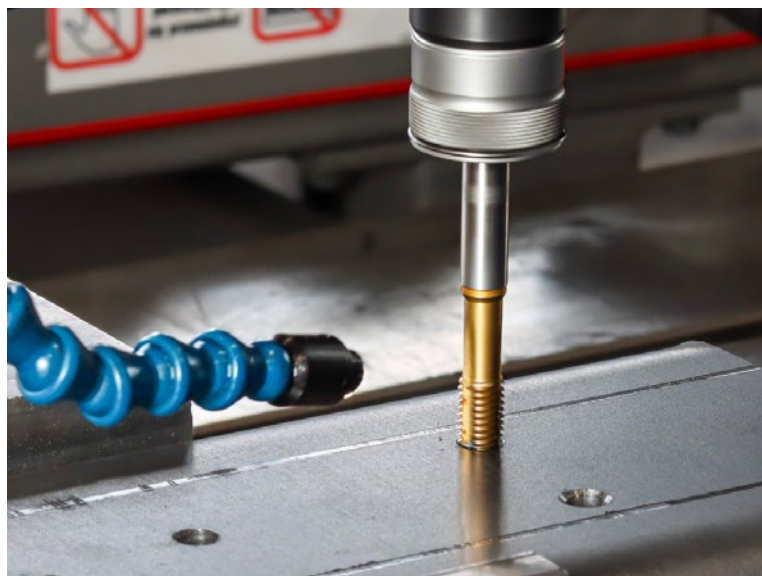


## Threading of parts

GAMOR GN 24 pneumatic threading machine / ROSCAMAT SHARK electric threading machine

### Technical parameters

thread range	M3 - M36
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## Straightening of parts

PEAKPERFORMER KOHLER

### Technical parameters

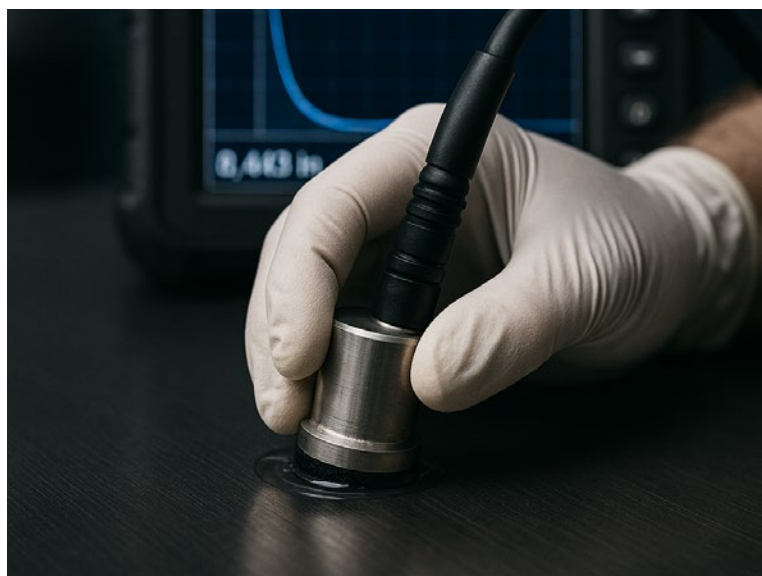
work table dimensions	2,000 x 6,000 mm
table load capacity	2,400 kg
max. thickness prostowania	25 mm depending on the type material, workpiece width
resulting flatness	up to 1,0 mm (subject to consultation)



## Ultrasonic testing of sheets

### Technical parameters

thickness range	6 - 160 mm
	*applies mainly to quarto sheets





## Saw cutting

### Technical parameters

max. diameter of round profile	Ø 10 mm - Ø 410 mm
max. dimensions of rectangular profile	10 x 8 mm - 510 x 410 mm
angle of inclination	yes



## 3D laser cutting

TRUMPF-TUBA "3D" laser

### Technical parameters

max. length	6,000 mm
max. diameter	254 mm
max. cutting thickness	14 mm



## Drilling and threading holes, milling, cutting

FICEP VALIANT 1003 VLB

### Technical parameters

max. length	16,000 mm
cutting angle range	+45/-60 degrees
max. drilling diameter	up to 50 mm
max. thickness of drilled material	100 mm
min. thread	M14
machining range	
channel section	min. 50 - max. 1015 mm
I-beam	min. 50 - max. 1015 mm
T-beam	min. 50 - max. 140 mm
angle section	min. 50 x 50 x 6 mm - max. 300 x 300 x 35 mm



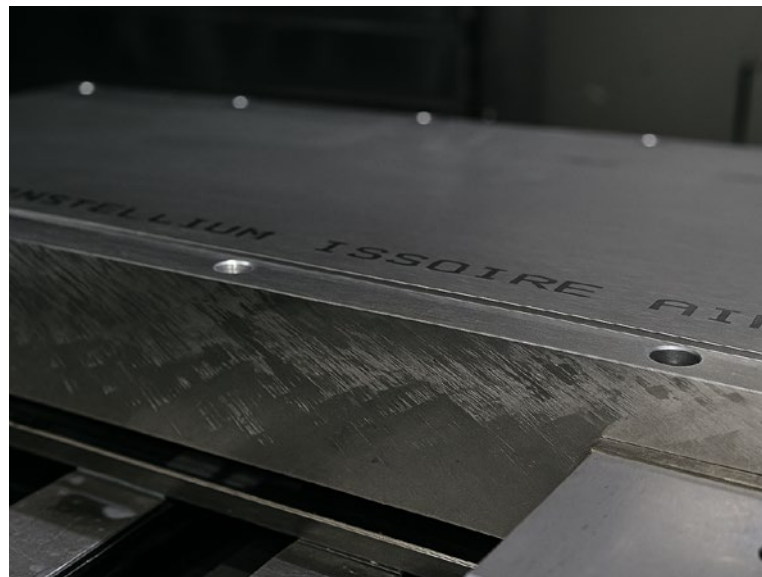


## CNC machining of parts (edge chamfering, hole drilling, threading, milling)

MAZAK VTC 820/30/ gas

### Technical parameters

work table dimensions	3,000 x 820 x 720 mm
table load capacity	2,500 kg
number of machining axes	3



## Shot blasting and priming

GIETART

### Technical parameters

max. width	2000 mm
max. height	500 mm
max. length	15,000 mm



## Threading of profiles

GAMOR GN 24 pneumatic threading  
machine / ROSCAMAT SHARK electric  
threading machine

### Technical parameters

thread range	M3 - M36
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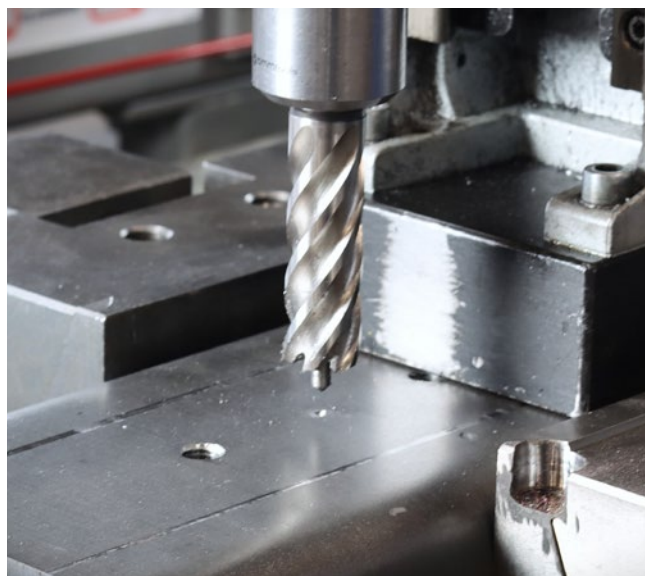


## Drilling, threading, chamfering

Electromagnetic drill PRO-152T ZALCO

### Technical parameters

max. drilling diameter with a cutter	150 mm
max. drilling diameter with drill bit	47 mm
max. thickness of drilled material	100 mm
blind threading	up to M33
min. thickness of drilled material	10 mm





## Saw cutting

### Technical parameters

max. diameter of round profile     $\varnothing$  10 mm -  $\varnothing$  410 mm

max. dimensions of  
rectangular profile                    10 x 8 mm - 510 x 410 mm



## 3D laser cutting

TRUMPF-TUBA "3D" laser

### Technical parameters

max. length                                6,000 mm

max. diameter                            254 mm

max. cutting thickness                14 mm



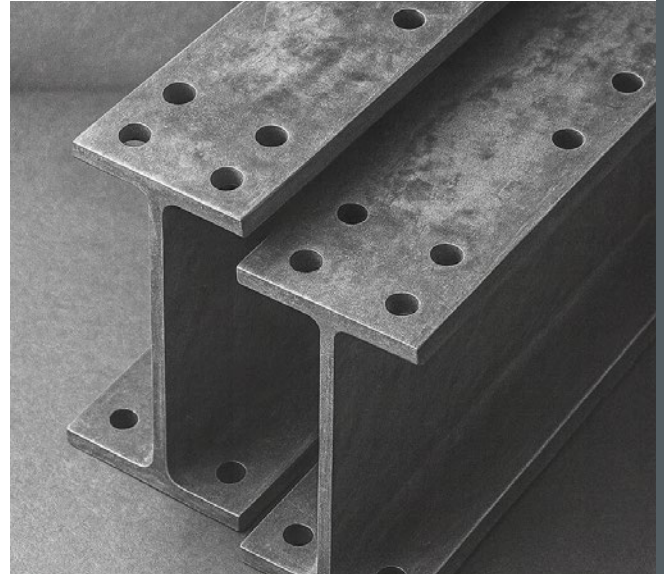


## Drilling, threading, chamfering

Electromagnetic drill PRO-152T ZALCO

### Technical parameters

max. drilling diameter with a cutter	150 mm
max. drilling diameter with drill bit	47 mm
max. thickness of drilled material	100 mm
blind threading	do M33
min. thickness of drilled material	10 mm

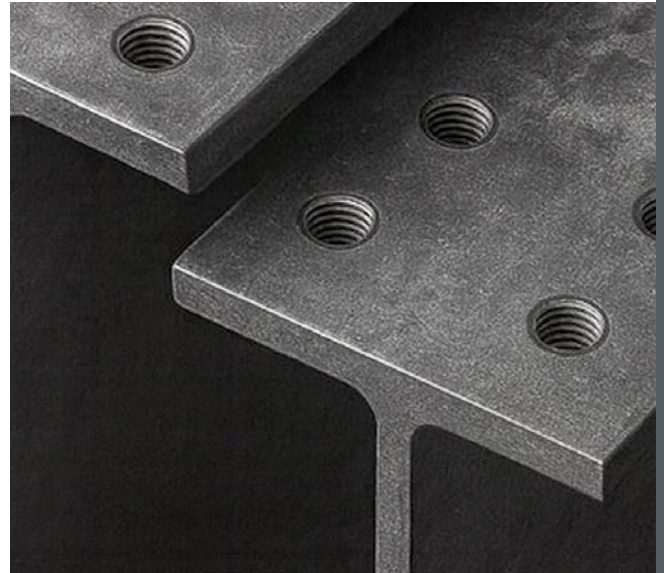


## Threading

Tapping machine

### Technical parameters

to be agreed



## Cutting beams

BEHRINGER 530 band saw /  
KASTO A5 band saw

### Technical parameters

max. width	1,000 mm
max. length	24,000 mm



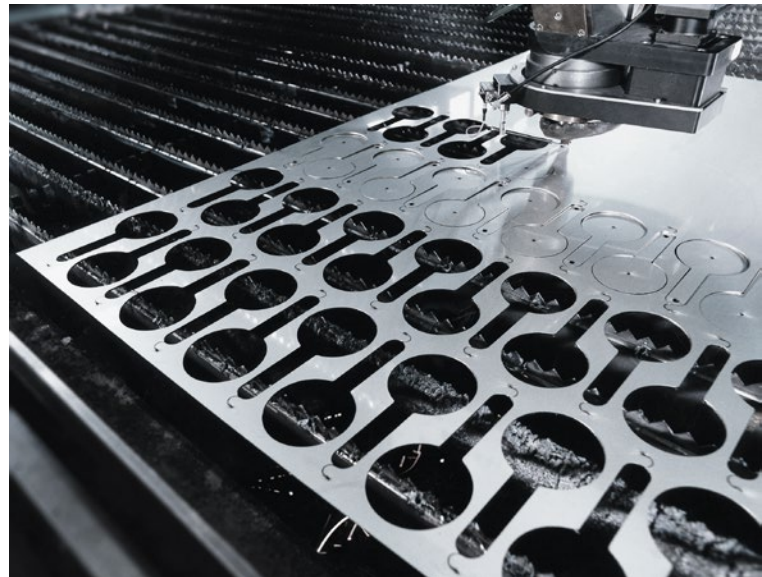


## 2D laser cutting

TRUMPF laser

### Technical parameters

max. size	up to 2,000 x 6,000 mm
max. thickness	up to 40 mm

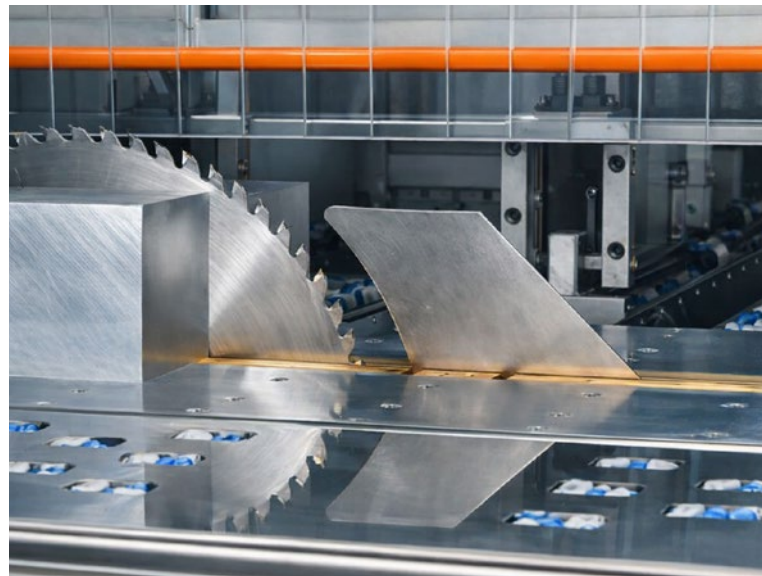


## Cutting of aluminum plates

OTTO MAYER saws

### Technical parameters

max. length	4,200 mm
max. width	4,200 mm
max. thickness	200 mm

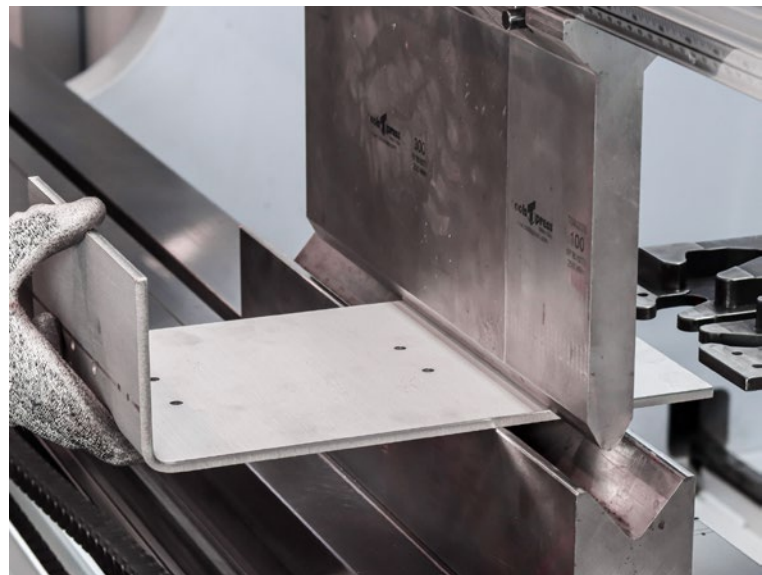


## Bending

Press brake

### Technical parameters

bending length	4,200 mm
max. pressure	up to 320 t





## Deburring

COSTA

### Technical parameters

max. workpiece dimensions	~1,350 mm
thickness range	min. 1,5 - max. 120 mm
max. edge blunting	R 1,5 mm

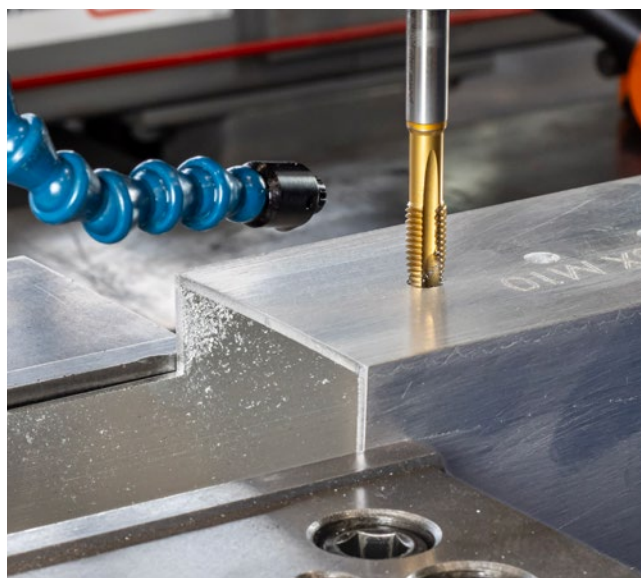


## Threading of parts

GAMOR GN 24 pneumatic threading machine/ ROSCAMAT SHARK electric threading machine

### Technical parameters

thread range	M3 - M36
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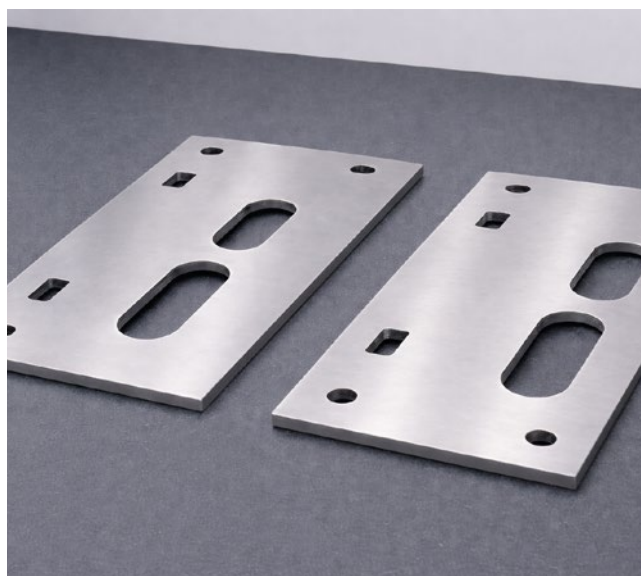


## Straightening of parts

PEAKPERFORMER KOHLER

### Technical parameters

work table dimensions	2,000 x 6,000 mm
table load capacity	2,400 kg
max. straightening thickness	25 mm depending on the type material, workpiece width
resulting flatness	up to 1,0 mm (subject to consultation)



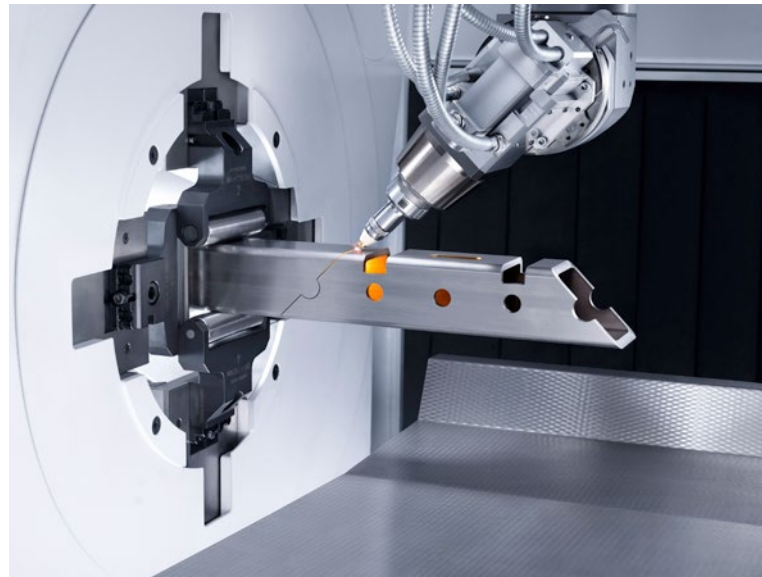


## 3D laser cutting

### TRUMPF-TUBA "3D" laser

#### Technical parameters

max. length	6,000 mm
max. diameter	254 mm
max. cutting thickness	10 mm



## CNC machining of parts (edge chamfering, hole drilling, threading, milling)

### MAZAK VTC 820/30

#### Technical parameters

work table dimensions	3,000 x 820 x 720 mm
table load capacity	2,500 kg
number of machining axes	3



## Threading of profiles

### GAMOR GN 24 pneumatic threading machine / ROSCAMAT SHARK electric threading machine

#### Technical parameters

thread range	M3 - M36
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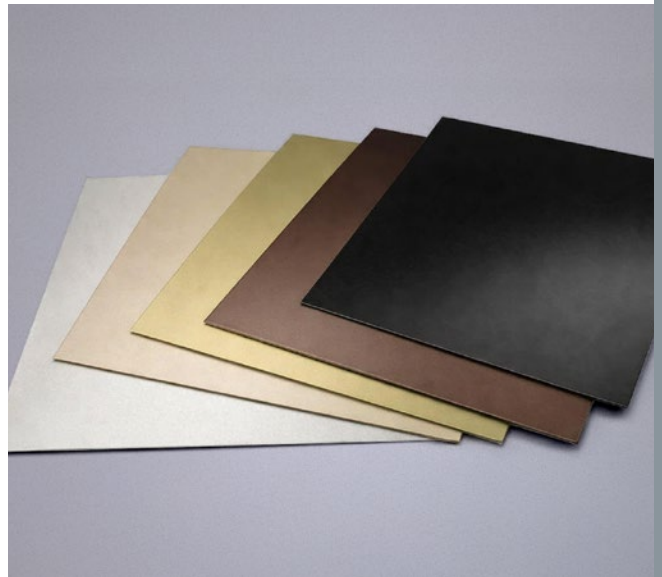




## Anodizing

### Aluminum plates and parts

Technical parameters	
max. length	7,000 mm
max. height	2,400 mm
max. width	200 mm
coating thickness	5-25 µm
color-coating	C-0 natural C-31 light champagne C-32 champagne C-33 olive C-34 bronze C-35 black



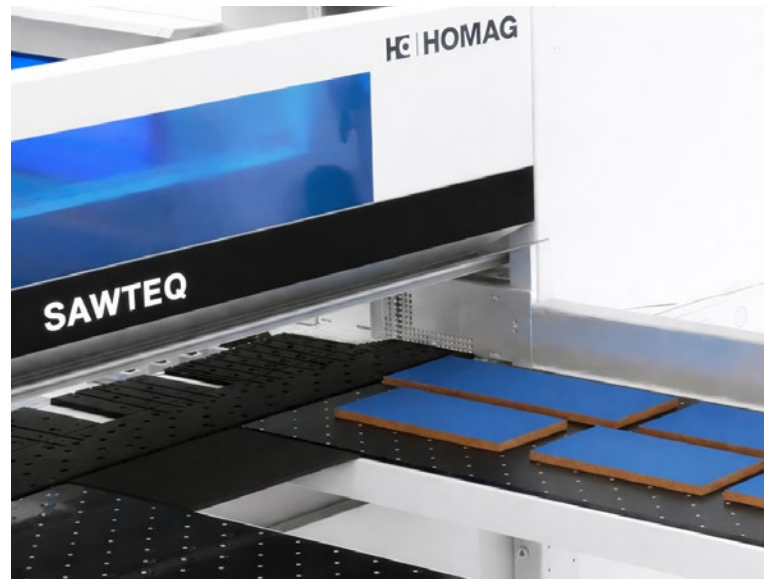


## Cutting and formatting of solid sheets

HOMAG, SCHELLING

### Technical parameters

max. sheet width	4,300 mm
max. sheet length	7,000 mm
panel thickness	0,75 - 80 mm



## Vertical, dust-free cutting of chamber boards

POLYCUT vertical saw

### Technical parameters

max. cutting length	7,010 mm
max. cutting width	2,110 mm
panel thickness	8 mm - 32 mm
min. format	740 x 840 mm
cutting tolerance	+/- 2 mm



## Cutting of bars and rods

BERNARDO saw

### Technical parameters

90° circular cutting range	180 mm flat
cutting range 90°	180 x 300 mm
circular cutting range 45°R	110 mm
cutting range 45°R	110 x 300 mm
working height	555 mm





## Automatic machining CNC

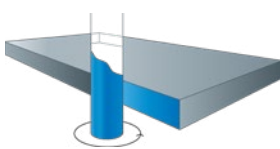
FELDER PROFIT H100; cutting, drilling, milling, and boring



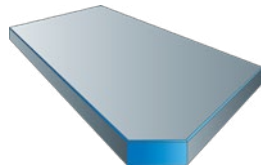
### Technical parameters

max. panel size	2,100 x 4,300 mm
panel thickness	do 150 mm
Z-axis bevel	150 mm
min. hole diameter	2 mm
max. drilling depth	150 mm

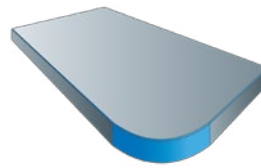
## Advanced processing of solid panels



formatting, milling



bevel milling



corner rounding



through holes



blind holes

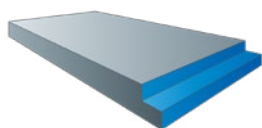


V-grooves



standard bevel  
1 mm / 45°

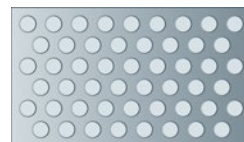
## Special services



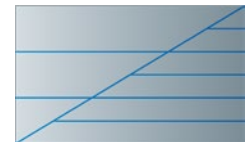
step cutting



rounded edge



perforating plates



decorative round  
or V-shaped grooving

## Processing services broken down by product

	Round bars	Square bars	Pipes	Closed profiles	EN10051 sheets	EN10029 sheets	I-beams	Plastic sheets	Plastic rollers
CTL					✓				
Cutting	✓	✓	✓	✓			✓	✓	✓
Serial cutting	✓	✓	✓	✓				✓	✓
Cutting at an angle			✓	✓			✓		✓
Shot blasting	✓	✓	✓	✓	✓	✓	✓		
Priming	✓	✓	✓	✓	✓	✓	✓		
Drilling				✓	✓	✓	✓	✓	
Laser with a 2D laser					✓	✓			
Laser with a 3D laser			✓	✓			✓		
Gas burning					✓	✓			
Plasma burning					✓	✓			
Straightening					✓	✓			
Bending					✓	✓			
Milling		✓	✓	✓	✓	✓	✓	✓	
Threading		✓	✓		✓	✓	✓		
Beveling of edges		✓	✓	✓	✓	✓	✓	✓	
UT examination					✓	✓			



thyssenkrupp Materials Poland S.A.  
Grudziądzka 159, 87-100 Toruń

[www.thyssenkrupp-materials.pl](http://www.thyssenkrupp-materials.pl)



metals

T: 56 611 95 58

[tkmpl-biuro@thyssenkrupp-materials.com](mailto:tkmpl-biuro@thyssenkrupp-materials.com)

plastics

tel. 22 594 08 19

[tkmpl-tworzywa-sztuczne@thyssenkrupp-materials.com](mailto:tkmpl-tworzywa-sztuczne@thyssenkrupp-materials.com)



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