



Technical  
**Equipment**





# Our state-of-art technical equipment

The ideal basis for realizing great ideas

Qualified employees are good. But it is better if these experts can relate to state-of-the-art technologies for achieving the best possible results quickly and precisely, in customer's interest.

The Logaer Maschinenbau GmbH has the right machine for nearly every requirement in the field of modern metal machining, regardless of whether large or small batches are to be processed. The customer can expect highest precision in any case.

The best way is to form your own impression. Therefore, we have compiled a list of our extensive machinery.





## VERTICAL LATHES

## MACHINING

MACHINE TYPE MANUFACTURER / DESCRIPTION	MAX. ADMISSIBLE WORK PIECE WIGHT ( KG )	MAX. ADMISSIBLE DIMENSIONS ( MM )	DIMENSIONS ( MM )	TRAVERSING DISTANCES ( MM )	REMARK
<b>Vertical lathe</b> Schiess / VM6 with live tools	150.000,00	ø 9.000 turning height: 6.000	ø6.000	X axis: 9.000 Z axis: 3.000	
<b>Vertical lathe</b> FPT / two rams, thereof 1 live toolts	120.000,00	ø 8.000 max. component heigt: 2.500	ø6.000	X axis: 8.000 Z axis: 1.800	
<b>Vertical lathe</b> Schiess / Vertiturn	20.000,00	ø 2.500 turning height: 2.000	ø2.250	X axis: 1.300 Z axis: 2.000	
<b>Vertical lathe</b> CKD Blansko / SKD 40 / 50 D with live tools	50.000,00	ø5.000 max. component heigt: 2.500	ø4.000	X axis: 5.000 Z axis: 1.600	
<b>Vertical lathe</b> Toshiba with live tools	15.000,00	ø 5.500 length: 2.500 hock height: 2.600	/	max. turning height: 2.600 (RAM)	max. turning diameter 5.500mm max. turning diameter 4.000mm for machining to center
<b>Vertical lathe</b> BERTHIEZ / Typ BM 180	20.000,00	ø 6.500 length: 2.200 turning height: 2.000	ø4.000	X axis: 2.000	max. turning diameter 6.500mm max. turning diameter 3.300mm for machining to center max. turning height : 2.000mm



## BORING MILLS

## MACHINING

MACHINE TYPE MANUFACTURER / DESCRIPTION	MAX. ADMISSIBLE WORK PIECE WIGHT ( KG )	MAX. ADMISSIBLE DIMENSIONS ( MM )	DIMENSIONS ( MM )	TRAVERSING DISTANCES ( MM )	REMARK
<b>2 moving column milling machines</b> FPT Spirit 1 x with rotary traversing table	120.000,00	∅ 9.000 turning height: 6.000	4.000 x 4.000 V axis: 2.500	X axis: 18.000 Z axis: 1.750 W axis: 1.200 Y axis: 6.000	boring head angle head
<b>CNC boring mill</b> SHW 2-towers / swivel heads	30.000,00	width: 6.000 length: 6.000 height: 4.000	17.000 x 3.000	X axis: 16.000 Y axis: 4.200 Z axis: 1.600	
<b>CNC floor-type horizontal boring and milling machine</b> Skoda / W200 HA/NC with rotary taversing table	80.000,00	width: 6.000 length: 6.000 height: 4.000	6.000 x 4.000	X axis: 8.000 Y axis: 4.150 Z axis: 2.000 V axis: 2.000	pindle diameter: 200 mm carrying sleeve: 520 x 520 mm outgoing range of carrying sleeve: 16.000 mm driving power spindle: 77 kW
<b>CNC boring mill</b> TOS WHN 13.8 with rotary table	12.000,00	∅ 2.200 turning height: 1.800	2.200 x 1.800	X axis: 3.500 Y axis: 2.500 Z axis: 1.250 W axis: 800	



## PORTAL-TYPE TURNING-MILLING MASCHINE

## MACHINING

<b>Portal-type turning-milling maschine</b> Schuess / VMG 5	150.000,00	max. assage height: 6.500 max. passage width: 6.500 table diameter: 5.000	13.000 x 5.000 X-extensible to 20 m	Z axis (RAM): 3.000 X axis (portal): 13.500 Y axis (support slide): 10.900 W axis (cross bar): 4.000	
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## LATHES

## MACHINING

MACHINE TYPE MANUFACTURER / DESCRIPTION	MAX. ADMISSIBLE WORK PIECE WIGHT ( KG )	MAX. ADMISSIBLE DIMENSIONS ( MM )	DIMENSIONS ( MM )	TRAVERSING DISTANCES ( MM )	REMARK
<b>Cycle lathe</b> Weiler / E150	10.000,00 between centers	swing diameter over bed: 1.500 swing diameter over cross silde: 1.030	/	L = 4.000	
<b>Center lathe</b> Mazak Nexus / QTNX 250M with live tools	200,00	∅ 250	/	center height: 180 center distance: 900	bar feeder available
<b>Cycle lathe</b> Weiler / E50	200,00	swing diameter over bed: 570 swing diameter over cross silde: 370	/	center height: 170 center distance: 2.000	



## CNC-MILLING MACHINE

## MACHINING

<b>Machining centre</b> Hedelius RS100 with integrated rotary-swivel table unit	rotary table: 1.500,00 maschine table: 2.000,00	rotary table projecting edges: ∅ 1.100	table with three linear and two rotational axes: 1.000 x 800 fixed table: 1.550 x 1.000	See remarks	rotary table: x=800 / y=800 / z=770 fixed machine table: x=1.550 / y=1.000 / z=770 swiveling range: +100° bis -90° rotary table: +/- 360°
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## LASER CUTTING SYSTEMS

## METAL SHEET & PROFILE MACHINING

MACHINE TYPE MANUFACTURER / DESCRIPTION	MAX. ADMISSIBLE WORK PIECE WIGHT ( KG )	MAX. ADMISSIBLE DIMENSIONS ( MM )	DIMENSIONS ( MM )	TRAVERSING DISTANCES ( MM )	REMARK
<b>Laser system</b> Trumpf / TruLaser 3030	900,00	3.000 x 2.000 x 25 for construc- tional steel 3.000 x 2.000 x 20 for stainless steel 3.000 x 2.000 x 12 for aluminium	/	X axis: 3.000 Y axis: 1.500	maxiumum laser power: 5 kW speeds (max. positioning accuracy): simultaneously: 140 m/min
<b>Laser system</b> Trumpf / TL C 4030	1.250,00	4.000 x 2.000 x 20 for construc- tional steel 4.000 x 2.000 x 6 for stainless steel 4.000 x 2.000 x 5 for aluminium	/	X axis: 4.000 Y axis: 2.000	maxiumum laser power: 4 kW speeds (max. positioning accuracy): axially parallel: 60 m/min simultaneously: 85 m/min



## BENDING MASCHINE

## METAL SHEET & PROFILE MACHINING

<b>Bending machine</b> Amada / HFP NT 400	/	3.000 x 10	/	/	stroke: 200 mm pressing power: 400 kN ending possible up to 4.000 mm
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## PRESERVATION

MACHINE TYPE MANUFACTURER / DESCRIPTION	MAX. ADMISSIBLE WORK PIECE WIGHT ( KG )	MAX. ADMISSIBLE DIMENSIONS ( MM )
<b>Blasting system</b> SLF with rotary traversing table	approx. 60.000	2.0000 x 10.000 x 10.000
<b>Painting system</b> Application Technology Oltrogge Application: elektrostatisch, airmix	aproxox. 60.000	20.000 x 10.000 x 10.000
<b>Washing system</b> SLF with rotary traversing table	aproxox. 60.000	10.000 x 10.000 x 10.000
<b>Feed-through blasting system</b> Schlick / RB-1500-5, 4-4/7,5	/	12.000 x 150 x 500



## STEEL CONSTRUCTION

We master all common welding processes, such as ...

### MIG welding

**MAG welding** with solid wire electrode

**MAG welding** with metal powder filled wire electrode

**TIG welding** with solid wire additive or solid rod additive

**Submerged arc welding** with single wire electrode and double wire electrode at 4 mm each

### Electrode welding

manually, semil-mechanically or by welding robots, in dependence on the task.



## WELDING ROBOT SYSTEMS

DESIGNATION	DATA
<b>MIG/MAG welding robot</b>	max. componenten dimensions: $\varnothing$ 1.200 mm max. length: 3.200 mm max. carrying capacity on each side: 500 kg
<b>MIG/MAG welding robot</b> with 2 long component turnover positioners and robot traversing unit	max. componenten dimensions: $\varnothing$ 1.500 mm max. length: 4.500 mm max. carrying capacity on each side: 2.000 kg
<b>TWIN MIG/MAG</b> with multi-wire technology	max. componenten dimensions: $\varnothing$ 120 mm with 3D manipulator up to max. carrying capacity on each side: 300 kg
<b>MIG/MAG welding robot</b> rotating device with externally driven axis	max. componenten dimensions: $\varnothing$ 9.000 mm min. componenten diameter: $\varnothing$ 5.500 mm carrying capacity: 20.000 kg
<b>MIG/MAG welding robot</b> container rotary fixture	max. componenten diameter: $\varnothing$ 6.000 mm carrying capacity: 20.000 kg
<b>Robot welding cell</b>	dimensions table: 1.000 x 550 mm max. carrying capacity on each side: 200 kg
<b>Handling robot</b> with two integrated punches	with punch cut und Hdyla press for cold forming



**Logaer Maschinenbau GmbH**

Mühlenweg 2d

26789 Leer / Germany

T. +49 (0)491 97928-0

F. +49 (0)491 97928-88

[www.logaer.de](http://www.logaer.de)

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**RESOLUTELY  
SYSTEMATICALLY**

