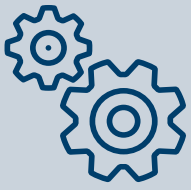




Technical
Equipment



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
Vertical lathe 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	
Vertical lathe FPT / two rams, thereof 1 live tooths	120.000,00	ø 8.000 max. component heigt: 2.500	ø6.000	X axis: 8.000 Z axis: 1.800	
Vertical lathe 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	
Vertical lathe 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



PORTAL-TYPE TURNING-MILLING MASCHINE

MACHINING

Portal-type turning-milling maschine Schiess / VMG 5	150.000,00	max. assage height: 6.500 max. passage width: 6.500 table diameter: 5.000	13.000 x5.000 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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MASCHINENTYP HERSTELLER / BESCHREIBUNG	MAX. ZULÄSSIGES WERKSTÜCK- GEWICHT (KG)	MAX. ZULÄSSIGE ABMESSUNG (MM)	ABMESSUNGEN (MM)	VERFAHRWEGE (MM)	BEMERKUNG
2 moving column milling machines 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
CNC boring mill SHW 2-towers / swivel heads	20.000,00	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	
CNC floor-type horizontal boring and milling machine Skoda / W200 HA/NC with rotary traversing 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
CNC boring mill 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	



LATHES

MACHINING

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

Machining centre 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
Laser system 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
Laser system 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

Bending machine 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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MEASURING EQUIPMENT

QUALITY MANAGMENT

Coordinate measuring machine Mauser Zeiss KMZ-G 602520	/	measuring range: 6.000 x 2.500 x 2.000 (L x B X H)	/	X axis: 6.000 Y axis: 2.500 Z axis: 2.000	climatic measuring room precision: +/- (5,0 + L/250) µm
Wireless Laser Tracker Omnitrac 2	/	/	/	/	mobile measuring instrument precision: +/- 25 µm or 1,5 µm/m



PRESERVATION

MACHINE TYPE MANUFACTURER / DESCRIPTION	MAX. ADMISSIBLE WORK PIECE WIGHT (KG)	MAX. ADMISSIBLE DIMENSIONS (MM)
Blasting system SLF with rotary traversing table	approx. 60.000	2.0000 x 10.000 x 10.000
Painting system Application Technology Oltrogge Application: elektrostatisch, airmix	aproxox. 60.000	20.000 x 10.000 x 10.000
Washing system SLF with rotary traversing table	aproxox. 60.000	10.000 x 10.000 x 10.000
Feed-through blasting system 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
MIG/MAG welding robot	max. componenten dimensions: \varnothing 1.200 mm max. length: 3.200 mm max. carrying capacity on each side: 500 kg
MIG/MAG welding robot 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
TWIN MIG/MAG with multi-wire technology	max. componenten dimensions: \varnothing 120 mm with 3D manipulator up to max. carrying capaci- ty on each side: 300 kg
MIG/MAG welding robot 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
MIG/MAG welding robot container rotary fixture	max. componenten diameter: \varnothing 6.000 mm carrying capacity: 20.000 kg
Robot welding cell	dimensions table: 1.000 x 550 mm max. carrying capacity on each side: 200 kg
Handling robot with two integrated punches	with punch cut und Hdyla press for cold forming



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**RESOLUTELY
SYSTEMATICALLY**

