

MACHINE LIST

UPDATED: 06.02.2024

LASER CUTTING EQUIPMENTS

TRUMPF TruLaser 5030 Classic TLF5000t

Year of manufacturing
2008



Working range: (X, Y) 3000 mm x 1500 mm
Laser type: CO2 laser (TRUMPF TruFlow 5000)
Laser power: 5000 W
Positioning accuracy: +/- 0,1 mm
Repetition accuracy: +/- 0,03 mm

The "High-Speed" cutting allows exceptionally fast cutting speed and at the same time the excellent quality and dimensional accuracy of the final result is retained. The fast cutting speeds result in reduced processing time, better energy efficiency, thus significant cost savings. Suitable for fast, reliable and accurate cutting of both thin sheets and also material difficult to process like acid-resistant steel. With FlyCut cutting the machine is able to produce cost effective and efficient small and middle-volume of perforated parts.

TRUMPF Trumatic L3030 TLF2000t

Year of manufacturing
2002



Working range: (X, Y) 3000 mm x 1500 mm
Laser type: CO2 laser (TRUMPF TruFlow 2000)
Laser power: 2000 W
Positioning accuracy: +/- 0,1 mm
Repetition accuracy: +/- 0,03 mm

This machine is suitable specially for cost-effective processing of thin sheets. It is used for the precise and continuous production of big and extra sized-orders. Due to its hydraulic pallet-changing system continuous production can be achieved.

TRUMPF TruLaser 3030

Year of manufacturing
2020



Working range: (X, Y) 3000 mm x 1500 mm
Laser type: Fiber laser (TRUDISK 6001)
Laser power: 6000 W
Positioning accuracy: +/- 0,1 mm
Repetition accuracy: +/- 0,03 mm

This machine has high level of flexibility and cost-effectiveness. The solid-state laser enables the processing of non-ferrous metals and provides you with a productivity benefit in cutting thick and thin sheets too.

COMBINED PUNCH-LASER EQUIPMENTS

Trumpf Trumatic 3000

Year of manufacturing
2011



Punching power: 165 kN
Working range: (X, Y) 2500 mm x 1250 mm
Maximum thickness: 3mm
Max. tool diameter: 76,2 mm
Max. forming height: 25 mm
Max. bending length: 55 mm
Laser power: 2000W
Max. number of tools: 18
Tool change time (Single tool): 3,9 mp
Tool change time (MultiTool): 2,2 mp
Positioning accuracy: +/- 0,1 mm
Repetition accuracy: +/- 0,03 mm

The machine is equipped with brush table and rollers around the tools for producing parts of perfect surface quality. With the MultiTool tool holders it can store up to 180 types of tools. The combined punch-laser machine can produce with reduced cost per part thanks to the shorter production time and the lower energy consumption than the flatbed laser cutting machines thus ensuring greater economic efficiency. It is perfectly suitable for effective fabrication of high volume, complex, difficult sheet metal parts. With the laser cutting head even complex shapes can be cut. It is suitable for cutting high quality edges and can be used when there is no cutting tool with the proper profile.

Trumpf Trumatic 6000

Year of manufacturing
2014



Punching power: 180 kN
Working range: (X, Y) 3050 mm x 1550 mm
Maximum thickness: 3mm
Max. tool diameter: 76,2 mm
Max. forming height: 25 mm
Max. bending length: 55 mm
Laser power: 2000W
Max. number of tools: 21
Tool change time (Single tool): 3,2 mp
Tool change time (MultiTool): 0,3 mp
Positioning accuracy: +/- 0,1 mm
Repetition accuracy: +/- 0,03 mm

The machine is equipped with brush table and rollers around the tools for producing parts of perfect surface quality. With the MultiTool tool holders it can store up to 210 types of tools. The combined punch-laser machine can produce with reduced cost per part thanks to the shorter production time and the lower energy consumption than the flatbed laser cutting machines thus ensuring greater economic efficiency. It is perfectly suitable for effective fabrication of high volume, complex, difficult sheet metal parts. With the laser cutting head even complex shapes can be cut. It is suitable for cutting high quality edges and can be used when there is no cutting with the proper profile.

PRESS BRAKES

AMADA HFE 170-3

Year of manufacturing
2008



Maximum power: 170 tons
Bending length: 3000 mm
Stroke: 150 mm
Number of axis: 4 (2 powered, 2 manual)
Tool change: fast clamping system

It is suitable for carrying out small and medium sized volume production tasks cost effectively with high accuracy. Outstandingly precise bending results can be achieved with this machine thanks to its state-of-the-art technology. With the fast tool changing system it solves small series, even prototype-production cost efficiently.

This machine has a large tool and program storage facility in order to achieve an even better production. DIGIPRO: the machine is facilitated with a wireless, electronic protractor, which can automatically adjust the bending angle in the controller when it differs from the set dimension.

AMADA HF50-12E

Year of manufacturing
2008



Maximum power: 50 tons
Bending length: 1250 mm
Number of axis: 4 (4 manual)
Tool change: fast clamping system

It is suitable for producing high volume orders cost effectively with exceptional accuracy. The machine has a digital touch screen control for the easy use, flexibility and the productivity. With the fast tool changing system it solves small series, even prototype-production cost efficiently. DIGIPRO: the machine is facilitated with a wireless electronic protractor, which can automatically adjust the bending angle in the controller when it differs from the set dimension.

AMADA HFP100-3L

Year of manufacturing
2006



Maximum power: 100 tons
Bending length: 3000 mm
Stroke: 150 mm
Number of axis: 2 (2 powered)
Tool change: fast clamping system

It is suitable for producing high volume orders cost effectively with exceptional accuracy. The machine has a digital touch screen control for the easy use, flexibility and the productivity. With the fast tool changing system it solves small series, even prototype-production cost efficiently. DIGIPRO: the machine is facilitated with a wireless electronic protractor, which can automatically adjust the bending angle in the controller when it differs from the set dimension.

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AMADA HFE M2 8025

Year of manufacturing
2011



Maximum power: 80 tons
Bending length: 2500 mm
Stroke: 190 mm
Number of axis: 3 (2 powered, 1 manual)
Tool change: fast clamping system

It is suitable for carrying out small and medium sized volume production tasks cost effectively with high accuracy. Outstandingly precise bending results can be achieved with this machine thanks to its state-of-the-art technology. The machine frame is provided with an integrated camber system, thus bending long parts with great efficiency is possible. DIGIPRO: the machine is facilitated with a wireless, electronic protractor, which can automatically adjust the bending angle in the controller when it differs from the set dimension.

AMADA HFE M2 5020

Year of manufacturing
2014



Maximum power: 50 tons
Bending length: 2000 mm
Stroke: 200 mm
Number of axis: 3 (2 powered, 1 manual)
Tool change: fast clamping system

It is suitable for carrying out small and medium sized volume production tasks cost effectively with high accuracy. Outstandingly precise bending results can be achieved with this machine thanks to its state-of-the-art technology. The machine frame is provided with an integrated camber system, thus bending long parts with great efficiency is possible. DIGIPRO: the machine is facilitated with a wireless, electronic protractor, which can automatically adjust the bending angle in the controller when it differs from the set dimension.

CNC MILLING MACHINE

NCT EmR-1200D

Year of manufacturing
2017



Table size: 1300 mm x 600 mm
Table load capacity: 1000 kg
Positioning accuracy: < 0,02 mm
Repetition accuracy: < 0,008 mm
Spindle taper size (standard): #40
Drive: Direct
Magazine type: Arm (Chain)
Number of tool positions: 24 (opc. 32)
NCT 204 smart touch CNC (touchscreen)
EnDat 2.2 absolute measuring system, 0,00005 mm positioning resolution and nano interpolation
The workpiece is fixed by a vacuum table, size:
1200 mm x 1600 mm

A significantly higher level can be achieved regarding size accuracy and appearance by using this machine for drilling sheet metal fabricated parts then using manual drilling. Also compared to the manual work there is less human input necessary for one part. Fast tool change enables lower production time per part.

GRINDING MACHINES

ERNST Neptun EKB1500 wet operation automatic deburring machine

Year of manufacturing
2011



Working width: 1500 mm
Working thickness: 0,8 mm -100 mm
Minimum workpiece length:
 - in template: 40mm x 40mm
 - without template: 80mm x 80mm

The machine is used for four types of processing:

- deburring
- surface grinding
- rounding off
- oxidfilm removal

During processing the machine sprays water enriched with anticorrosive additive to the part and after the operations it dries it. As a result, the part does not corrode and gets absolutely clean to the customer.

Kuhlmeier ZBS Robotec dualbelt automatic grinding machine

Year of manufacturing
2018



Total dimensions: 5550 mm x 3550 x 2400 mm
Table dimensions: 1900 mm x 1450 mm
Max. length of the part processed with Robotec arm: 1900 mm
Dimensions of the grinding belt: 100 x 9000 mm

The main advantage of this equipment is that with the dualbelts the grinding can be carried out with a single clamp. Smaller and larger workpieces too can be processed both automatically and with manual grinding.

Rolls and slippers can be used to obtain the desired surface structure.

Loewer DiscMaster 4TD grinding machine

Year of manufacturing
2023



Working range width: 1000 mm
Minimum part size: 50 mm x 50 mm
Material thickness: 0.8 mm – 70 mm (100 mm)
Max. part length: 2500 mm

The grinding machine is designed for deburring and edge rounding of sheet metal parts. The machine is equipped with two deburring discs and two edge rounding discs, which continuously oscillate over the workpiece during throughfeed. The interaction of the rotation with the large oscillation stroke leads to high-quality deburring and edge rounding. All internal and external edges of the sheet metal parts are processed from all angles and directions.

WELDING MACHINE

TECNA 6122N spotwelding machine

Year of manufacturing
2018



Nominal power at 20%: 142 KVA
Nominal power at 50%: 90 kVA
Maximum electrode force (6 bar): 1242 daN
Maximum secondary welding current: 32kA
Maximum electrode shift: 100 mm

Technical parameters of welding points are saved
 Medium frequency welder
 Modular design
 Lubrication-free pneumatic components for oil mist removal and environmental protection
 Water cooled transformer, plates, electrode holders and electrodes
 Microprocessor-based control unit that can store up to 300 different programs

Versatile equipment with inverter technology provides excellent welding.
 Six modes allow you to select the most suitable welding method for the weld material.
 With pneumatic system control the ideal pressure value can be programmed.
 With inverter technology higher welding quality can be achieved, time and current control can be accomplished extremely accurately.

FASTENER INSERTERS

Haeger 824 Window touch 3 insertion machine

PEMSERTER Series 4 insertion machine



Year of manufacturing: 2012

Power: 72 kN
Type of power: hydraulic
Stroke length: 0 - 203 mm
Throat depth: 610 mm
Insertion per hour:
 1500 / hour (50 mm stroke)
Automatic tool change:
 3 mp Automatic insertion feeding system (pneumatic)

Inserting a large number of fasteners of the same type the process has smaller labour input resulting in a more cost-effective production and a more competitive price. The manufacturing plan can be programmed, with which the possibility of errors can be minimized. The inserting order of the fasteners is shown on the LCD display. This machine is perfect for high volume, complex inserting tasks.



Year of manufacturing: 2008

Power: 53,4 kN
Type of power: pneumatic
Throat depth: 457 mm
Compression capacity:
 - in steel: M2 - M10
 - in aluminium: M2 - M12

This machine is for pressing in prefabricated components with thread (inch and metric) or without thread.
 Fast tool changing option.