



Precise Metal Production

## List of machines

### Lathes

#### MAZAK CNC - lathe

Model QUICK TURN 15 NU, refurbished 2017, with automatic feeding for hard turning processing

Turning range:	Ø 20 - 300 mm
Turning length:	510 mm
Output:	15 kW

#### MAZAK CNC - lathe

Model QUICK TURN 18 NU, refurbished 2016, with automatic feeding for hard turning processing

Turning range:	Ø 20 - 300 mm
Turning length:	510 mm
Output:	15 kW

#### MAZAK CNC - lathe

Model QUICK TURN 20, year of manufacture: 1997

Turning range:	Ø 20 - 300 mm
Turning length:	446 mm
Output:	15 kW

#### MAZAK CNC - lathe

Model QUICK TURN 20, year of manufacture: 1998

Turning range:	Ø 20 - 300 mm
Turning length:	446 mm
Output:	15 kW



## Precise Metal Production

### MAZAK CNC - lathe

Model QUICK TURN 20, year of manufacture: 1998

Turning range:	Ø 20 - 300 mm
Turning length:	446 mm
Output:	15 kW

### MAZAK CNC - lathe

Model QT Smart 350, 12 tool positions, year of manufacture: 2011, with short bar loader

Turning range:	up to Ø 420 mm
Turning length:	1250 mm
Output:	30 kW
max. bar Ø:	102 mm

### MAZAK CNC - lathe

Model QT Smart 200, 12 tool positions, year of manufacture: 2011, with short bar loader

Turning diameter:	up to Ø 350 mm
Turning length:	510 mm
Output:	18,5 kW
max. bar Ø:	65 mm

### MAZAK CNC - lathe

Model QT Smart 200, 12 tool positions, year of manufacture: 2011, with 3 m bar loader

Turning diameter:	up to Ø 350 mm
Turning length:	510 mm
Output:	18,5 kW
max. bar Ø:	65 mm



## Precise Metal Production

### MORI SEIKI CNC - lathe

Model NLX2500SY/700, 12 tool positions, year of manufacture: 2016, with short bar loader

Turning range:	up to Ø 350 mm
Turning length:	700 mm
Output main spindle:	18,5 kW
Output opposed spindle:	11,5 kW
max. bar Ø:	80 mm

### MORI SEIKI CNC - lathe

Model NLX2500SY/700, 12 tool positions, year of manufacture: 2018, with short bar loader

Turning range:	up to Ø 350 mm
Turning length:	700 mm
Output main spindle:	18,5 kW
Output opposed spindle:	11,5 kW
max. bar Ø:	80 mm

### MORI SEIKI CNC - lathe

Model NLX2500SY/700, 12 tool positions, year of manufacture: 2018, with short bar loader

Turning range:	up to Ø 350 mm
Turning length:	700 mm
Output main spindle:	18,5 kW
Output opposed spindle:	11,5 kW
max. bar Ø:	80 mm

### MORI SEIKI CNC - lathe

Model NLX2500SY/700, 20 tool positions, year of manufacture: 2022, with short bar loader

Turning range:	up to Ø 350 mm
Turning length:	700 mm
Output main spindle:	22 kW – 1.025 Nm
Output opposed spindle:	11 kW – 95,5 Nm
max. bar Ø:	100 mm



## Precise Metal Production

### MORI SEIKI CNC - lathe

Model NLX2500SY/700, 20 tool positions, year of manufacture: 2023, with short bar loader

Turning range:	up to Ø 350 mm
Turning length:	700 mm
Output main spindle:	22 kW – 1.025 Nm
Output opposed spindle:	11 kW – 95,5 Nm
max. bar Ø:	100 mm

### MORI SEIKI CNC - lathe

Model NLX2000/500, 20 tool positions, with Gantry loader system GX-05, year of manufacture: 2023

Turning range:	up to Ø 350 mm
Turning length:	500 mm
Output main spindle:	22 kW
Output opposed spindle:	11 kW

### MORI SEIKI CNC - lathe

Model NZX2000/800SY, 2 x 16 tool positions, year of manufacture: 2018, with short bar loader

Turning range:	up to Ø 300 mm
Turning length:	800 mm
Output main spindle:	25/22 kW
Output opposed spindle:	25/22 kW
max. bar Ø:	80 mm

### GILDEMEISTER CNC – automatic lathe

Model SPRINT 42-8 linear, 8 axes, 26 tool positions, year of manufacture: 2024, with 3,2 m bar loader

Turning range:	up to Ø 42 mm
Turning length:	120 mm
Output main spindle:	5,5 kW - 6.500min/-1
Output opposed spindle:	3,5 kW - 6.500min/-1
max. bar Ø:	42 mm



## Grinders

### CNC - internal and external grinder

STUDER S33\_1045, year of manufacture: 2024, with rotating dressing spindle, pneumatic power chuck, synchronous tailstock and app-based C.O.R.E. control as well as active cooler for cooling lubricant and spindle

Grinding area:	up to Ø 350 mm
Grinding length:	up to 1000 mm
Output:	22 kW

### CNC - internal and external grinder

STUDER S33\_1045, year of manufacture: 2019, with rotating dressing spindle as well as active cooler for cooling lubricant and spindle

Grinding area:	up to Ø 350 mm
Grinding length:	up to 1000 mm
Output:	22 kW

### External grinder

STUDER S30-1, refurbished 2023, with a MOVOMATIC measurement control system

Grinding area:	up to Ø 250 mm
Grinding length:	up to 1000 mm
Output:	5,5 kW

### Universal circular grinder

STUDER S20-2 favorit, refurbished 2023, with internal grinding spindle

Grinding area:	up to Ø 200 mm
Grinding length:	up to 400 mm
Output:	3 kW



## Precise Metal Production

### Internal cylindrical grinding machine

JUNG C8, refurbished 2009, equipped with Autoplan

Grinding area:	up to Ø 60 mm
Grinding length:	up to 90 mm
Output:	6 kW

### Surface grinder

BRAND COMPACT 600, refurbished 1997

Grinding area:	0,5-200 mm
Output:	3,6 kW

## Robots / measuring machines / other machines

### Robots

**3 pcs.** DMG MORI AUTOMATION Robo2Go, 6 axis industrial robot, flexible workpiece loading and unloading system, workpiece storage and deposit, connection to MAPPS V control, year of manufacture: each 2023

### 3D measuring machines

Carl Zeiss ScanMax, accuracy class 4,5 µm, refurbished 2017

Mitutoyo Crysta Apex S 7106, accuracy class 1,7 µm, year of manufacture: 2011

Mitutoyo Strato Apex 7106, accuracy class 0,7 µm, year of manufacture: 2023

### Contour und concentricity measuring machines

Mitutoyo Contracer CV-3100H8, year of manufacture: 2006

Mitutoyo Roundtest RA-2200AH, accuracy class 0,5 µm, year of manufacture: 2015

### Laser marking

Fiber laser station GRAVOTECH TF420 Lasertop, year of manufacture: 2016

Marking area:	110 x 110 mm
Laser output:	20 W



## Precise Metal Production

### Slide grinding

Centrifugal disc finishing machine TE 6 HD

Vessel volume:	6 litres
Vessel Ø:	210 mm
Output:	0,25 kW

### HERTWECK universal roller stamping machine

Model K 4.1

Stamping force:	20 kN
Length of die holder:	170 mm
max. stamp Ø:	200 mm
Output:	0,55 kW

### IMATEC AV 32 upright drilling machine

spindle cone: MK

### Workshop press Flexipress Stenhoj

60 tons

As per June 2024