



# Capacities

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### Universal Milling-Center

5-axis-CNC-control

working area: X : 26.000 mm length axis  
Y : 5.100 mm vertical axis  
Z : 1.800 mm transverse axis  
A : universal milling head  
C : universal milling head

150 tools  
workpiece weight max.: 130.000 kg

### Universal Milling-Center

5-axis-CNC-control

working area: X : 16.000 mm length axis  
Y : 4.100 mm vertical axis  
Z : 1.600 mm transverse axis  
A : universal milling head  
C : universal milling head

150 tools  
workpiece weight max.: 60.000 kg

### Universal Milling-Center

5-axis-CNC-control

working area: X : 10.000 mm length axis  
Y : 2.600 mm vertical axis  
Z : 1.500 mm spindle axis  
A : universal milling head  
C : universal milling head

90 tools

### Universal Milling-Center

working area:

X : 6.000 mm length axis  
Y : 2.100 mm vertical axis  
Z : 1.300 mm spindle axis  
A : universal milling head  
C : universal milling head

120 tools



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## Universal Milling Center

working area: X : 2.000 mm length axis  
Y : 1.300 mm vertical axis  
Z : 1.300 mm spindle axis  
A : universal milling head  
C : universal milling head

CNC-circular table Ø 1600  
48 tools

## Universal Milling Center

working area: X : 2.000 mm length axis  
Y : 1.300 mm vertical axis  
Z : 1.300 mm spindle axis  
A : universal milling head  
C : universal milling head

CNC-circular table Ø 1600  
60 tools



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### Spring Machine

main spindle: Ø 130 mm  
working area: X : 3.000 mm length axis  
Y : 2.000 mm vertical axis  
Z : 600 mm spindle axis  
W: 2.000 mm tower feed axis  
CNC-circular table  
60 tools

### Spring Machine

main spindle: Ø 130 mm  
working area: X : 3.500 mm length axis  
Y : 2.000 mm vertical axis  
Z : 900 mm spindle axis  
W: 1.200 mm tower feed axis  
CNC-circular table

### Spring Machine

main spindle: Ø 130 mm  
working area: X : 3.500 mm length axis  
Y : 2.500 mm vertical axis  
Z : 900 mm spindle axis  
W: 1.200 mm tower feed axis  
CNC-circular table

### Spring Machine with digital measuring device

main spindle: Ø 100 mm  
working area: X : 1.600 mm length axis  
Y : 1.100 mm vertical axis  
Z : 900 mm spindle axis  
W: 1.200 mm tower feed axis

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### Machining Center 5-Axis

working area: X : 1.200 mm length axis  
Y : 1.300 mm vertical axis  
Z : 900 mm spindle axis

swivelling axis Z = -130° to +130°

CNC-circular table W = 360° (Ø 1.000 mm)

50 tools

### Machining Center 5-Axis

working area: X : 800 mm length axis  
Y : 650 mm vertical axis  
Z : 500 mm horizontal axis

swivelling axis A = -120° to +100°

CNC-circular table W = 360° (Ø 630 mm)

30 tools

### Machining Center 5-Axis

working area: X : 710 mm length axis  
Y : 650 mm vertical axis  
Z : 500 mm horizontal axis

swivelling axis A = -120° to +30°

CNC-circular table W = 360° (Ø 630 mm)

30 tools

### Machining Center 5-Axis

working area: X : 800 mm length axis  
Y : 650 mm vertical axis  
Z : 500 mm horizontal axis

swivelling axis A = -120° to +100°

CNC-circular table W = 360° (Ø 630 mm)

30 tools



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## Travelling Column Machine

working area: X : 6.000 mm length axis  
Y : 1.000 mm vertical axis  
Z : 720 mm horizontal axis

50 tools

## Vertical Machining Center

working area: X : 1.270 mm length axis  
Y : 610 mm vertical axis  
Z : 576 mm spindle axis

32 tools

## Vertical Machining Center

working area: X : 1.000 mm length axis  
Y : 510 mm vertical axis  
Z : 480 mm horizontal axis

30 tools

## Vertical Machining Center

working area: X : 1.500 mm length axis  
Y : 660 mm vertical axis  
Z : 610 mm spindle axis

30 tools

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## *Milling-Turning Center*

### *Weingärtner - mpmc 1200S-10000*

Entire processing incl. turning / milling / drilling

swing over bed and slide:	1.380 mm
swing over steady rest slide:	1.050 mm
length (incl. 1.000 mm lg. face machining):	10.000 mm
turning length:	11.000 mm
weight between chuck and tailstock:	16.000 kg
weight between chuck and tailstock with steadies:	20.000 kg

## *Milling-Turning Center*

### *Weingärtner - mpmc 850-5000*

Entire processing incl. turning / milling / drilling

swing over bed and slide:	1.020 mm
swing over steady rest slide:	850 mm
length (incl. 500 mm lg. face machining):	5.500 mm
turning length:	6.700 mm
weight between chuck and tailstock:	8.000 kg
weight between chuck and tailstock with steadies:	14.000 kg



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### CNC-Turning Machine

max. swing over bed: 450 mm  
max. swing over transverse carriage: 400 mm  
length: 1.600 mm

### Cycle-Turning Machine

max. swing over bed: 1.200 mm  
max. swing over transverse carriage: 850 mm  
length: 6.000 mm

### Cycle-Turning Machine

max. swing over bed: 500 mm  
max. swing over transverse carriage: 340 mm  
length: 1.000 mm  
main spindle bore: 69 mm

### CNC-Turning Machine

max. swing over bed: 450 mm  
max. swing over transverse carriage: 400 mm  
length: 1.000 mm

### Cycle-Turning Machine

max. swing over bed: 700 mm  
max. swing over transverse carriage: 400 mm  
length: 3.000 mm

### Cycle-Turning Machine

max. swing over bed: 500 mm  
max. swing over transverse carriage: 340 mm  
length: 2.000 mm  
main spindle bore: 69 mm





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### CNC-Cylindrical Grinding Machine

max. work piece Ø 1.200 x 4.000 mm  
with internal grinding attachment and bevel gear grinding device  
workpiece weight max.: 8.000 kg

### Cylindrical Grinding Machine

max. work piece Ø 400 x 1.500 mm  
with internal grinding attachment

### Surface Grinding Machine

max. length: 1.300 mm  
max. width: 500 mm  
max. height: 400 mm

### Cylindrical Grinding Machine

max. work piece Ø 530 x 2.500 mm

### Surface Grinding Machine

max. length: 2.000 mm  
max. width: 500 mm  
max. height: 400 mm



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## High performance CMM & gear inspection center

in air-condition measuring space

length:	3.000 mm
width:	2.000 mm
height:	1.600 mm
work piece weight max.:	10.000 kg



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## Cutting

Sheet Metal Shears  
max. material dimensions:    thickness 6 mm  
   length 3.000 mm breit

Mechanical Press Brake  
max. material dimensions:    thickness 6 mm  
   length 3.000 mm breit

## Assembling

Shop Floor 1.200 m<sup>2</sup>  
with clamping and straightening area (6 x 10 m)  
2x 63 t overhead crane

Shop Floor 1.000 m<sup>2</sup>  
2x 40 t overhead crane

Shop Floor 1.440 m<sup>2</sup>  
2x 63 t overhead crane

Shop Floor 1.500 m<sup>2</sup>  
2x 63 t overhead crane

## Welding

3 Welding Machines for Roller Plating  
Ø 600 x 4.500 mm

Shop Floor 1.000 m<sup>2</sup>  
with 50 t overhead crane

12 welding work stations

## Spray booth

length:            9.000 mm  
width:            3.900 mm  
height:           3.700 mm