

ZELTWANGER CNC MANUFACTURING

MACHINE EQUIPMENT



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CNC MILLING:

A) DMG CNC Universal Milling Machine DMU 80 P "duoBlock":

CNC rotary table, internal cooling supply, infrared measuring probe
Universal milling head, 5-axis with controlled B-axis
Tool magazine with 120 magazine pockets
X / Y / Z axis 800 mm x 800 mm x 800 mm / 31.5 " x 31.5 " x 31.5 "
Main drive 12,000 rpm
Year of manufacture: 2007

B) DMG CNC Universal Milling Machine DMU 75 "monoBlock":

CNC rotary table, internal cooling supply, infrared measuring probe
Universal milling head, 5-axis with controlled B-axis
Tool magazine with 60 magazine pockets
X / Y / Z axis 750 mm x 650 mm x 560 mm / 29.5 " x 25.2 " x 21.7 "
Main drive 18,000 rpm
Year of manufacture: 2014

C) DMG CNC Universal Milling Machine DMU 60 P "duoBlock":

CNC rotary table, internal cooling supply, infrared measuring probe
Universal milling head, 5-axis with controlled B-axis
Tool magazine with 60 magazine pockets
X / Y / Z axis 600 mm x 700 mm x 600 mm / 23.6 " x 27.5 " x 23.6 "
Main drive 18,000 rpm
Year of manufacture: 2013

D) DMG CNC Universal Milling machine DMU 60 eVo

CNC rotary table, internal cooling supply, infrared measuring probe
Tool magazine with 60 magazine pockets
X / Y / Z axis 600mm x 500mm x 500mm / 23,6" x19,7" x19,7"
Main drive 18,000rpm
With Lang Eco-Compact 20 workpiece storage and handling system
Year of manufacture: 2016

E) DMG CNC Universal Milling Machine DMU 60 P "hi-dyn":

CNC rotary table, internal cooling supply, infrared measuring probe
Universal milling head, 5-axis with controlled B-axis
Tool magazine with 30 magazine pockets
X / Y / Z axis 600 mm x 600 mm x 700 mm / 23.6 " x 23.6 " x 27.5 "
Main drive 12,000 rpm
Year of manufacture: 2002

F) DMG CNC Universal Milling Machine DMU 50:

Swivel rotary table, 5-axis, internal cooling supply
Tool magazine with 16 magazine pockets
X / Y / Z axis 500 mm x 400 mm x 400 mm / 19.7 " x 15.7 " x 15.7 "
Main drive 10,000 rpm
Year of manufacture: 2007

G) HAAS CNC Universal Milling Machine VF-2:

Vertical Machining Center, infrared measuring probe
Tool magazine with 20 magazine pockets
X / Y / Z axis 762 mm x 406 mm x 508 mm / 30 " x 16 " x 20 "
Main drive 10,000 rpm
Year of manufacture: 2011

H) DMG UNO 20 | 40 Tool Presetter:

With autofocus function, max. tool diameter 400 mm / 17.7 "
Year of manufacture: 2014

PROGRAMMING:

A) Two 3D-CAM hyperMILL workstations:

5-axis modules
Standard interfaces such as STEP, DXF and DWG

CNC TURNING:

A) Gildemeister CTX beta 800 CNC Universal Turning Machine:

With C-axis and 12 driven tools
Clamping tube inner diameter 65 mm / 2.6",
max. work piece length 850 mm / 33.5"

Turning diameter 410 mm / 16.1 in
Year of manufacture: 2014

B) Gildemeister CTX 410 CNC Turning Centre:

With C-axis and 12 driven tools
Clamping tube inner diameter 65 mm / 2.6",
max. work piece length 600 mm / 23.6"

Turning diameter 365 mm / 14.4 in
Year of manufacture: 2006

GRINDING:

A) ELB High-Precision Flat Grinding Machine Smartline BD10:

With CNC control
Grinding area 1,000 mm x 600 mm / 39.4" x 23.6"
Year of manufacture: 2015

B) Gehr Surface Grinding Machine:

Grinding area 700 mm x 350 mm / 27.5" x 13.75"

SAWING:

A) Kastowin A3.3 bandsaw:

Cutting range 330 mm x 350 mm / 13" x 13.78"
Year of manufacture: 2014

DRILLING:

A) WEBO 4 Spindle Vertical Boring Machine:

Manually operated

WELDING:

Miller Millermatic 251 MIG Welder

Fronius Magic Wave 2600 TIG Welder

PARTS CLEANING:

ELMA Ultrasonic Cleaning Machine

QUALITY ASSURANCE:

A) HEXAGON Global advantage 7.10.7 CMM:

X / Y / Z axis 700 mm x 1,000 mm x 700 mm / 27.6" x 39.4" x 27.6"

Year of manufacture: 2014

B) FARO Gage Measurement Arm:

1.2 m / 4 ft. spherical working volume

Year of manufacture: 2012

C) Tesa Hite 600 Plus D Hight Gauge:

Measuring span 600 mm / 24"

D) Garant HCI Digital Hight Gauge:

Measuring span 600 mm / 24"

E) Mahr Surface Roughness Gage:

With MSP 2 printer

SERVICES:

A) Assembly services for:

Sub-assemblies

Assemblies

Fixtures

Workstations