

ZELTWANGER MASCHINENBAU

Machine List



MILLING AND DRILLING:

1 DMG CNC 5-axis Portal high-precision Milling machine DMU 210 µPrecision

Positioning < 4 µm, volumetric accuracy < 15 µm

NC rotary table, internal coolant supply, infrared touch probe, NC-controlled swivel milling head

Tool changer: 123 Pockets

Linear axes: X: 2,100 mm, Z: 1,250 mm, Y: 2,100 mm

NC-controlled swivel milling head and NC-controlled B-axis with a gear spindle

Integrated motor spindle: 12,000 U / min High performance spindle, HSK-A100

Year of construction: 2018

1 DMG CNC 5-axis Portal Milling machine DMU 210 P

NC rotary table, internal coolant supply, infrared touch probe, NC-controlled swivel milling head

Tool changer: 123 Pockets

Linear axes: X: 2,100 mm, Z: 1,250 mm, Y: 2,100 mm

NC-controlled swivel milling head and NC-controlled B-axis with a gear spindle

Integrated motor spindle: 12,000 U / min High performance spindle, HSK-A100

Year of construction: 2018

1 DMG CNC 5-axis high-precision Milling machine DMU 125 µPrecision

Positioning < 4 µm, volumetric accuracy < 15 µm,

NC rotary table, internal coolant supply, infrared touch probe, NC-controlled swivel milling head

Tool changer: 123 Pockets

Linear axes: X: 1,250 mm, Z: 1,000 mm, Y: 1,250 mm

NC-controlled swivel milling head and NC-controlled B-axis with a gear spindle

Integrated motor spindle: 12,000 U / min High performance spindle, HSK-A100

Year of construction: 2021

1 DMG CNC 5-axis Universal Machining Center DMC 125 U "duoBlock"

NC rotary table, internal coolant supply, infrared touch probe, NC-controlled swivel milling head

Tool changer: 120 Pockets

Linear axes: X: 1,250 mm, Z: 1,000 mm, Y: 1,250 mm

A pallet changer

NC-controlled swivel milling head and NC-controlled B-axis with a gear spindle

Integrated motor spindle: 12,000 U / min High performance spindle, HSK-A100

Year of construction: 2012

1 DMG CNC 5-axis Universal Machining Center DMU 125 P "duoBLOCK"

NC rotary table, internal coolant supply, infrared touch probe, NC-controlled swivel milling head

Tool changer: 120 Pockets

Linear axes: X: 1,250 mm, Z: 1,000 mm, Y: 1,000 mm

NC-controlled swivel milling head and NC-controlled B-axis with a gear spindle

Integrated motor spindle: 10,000 U / min High performance spindle, HSK-A100

Year of construction: 2006

1 DMG CNC 5-axis Universal Machining Center DMC 125 U "hi-dyn"

NC rotary table, internal coolant supply, infrared touch probe, NC-controlled swivel milling head

Tool changer: 120 Pockets

Linear axes: X: 1,250 mm, Z: 800 mm, Y: 880 mm

NC-controlled swivel milling head and NC-controlled B-axis with a gear spindle

Integrated motor spindle: 12,000 U / min High performance spindle

Year of construction: 2002

1 DMG CNC 5-axis Universal Machining Center DMU 100 P "duoBLOCK"

NC rotary table, internal coolant supply, infrared touch probe, NC-controlled swivel milling head

Tool changer: 120 Pockets

Linear axes: X: 1,000 mm, Z: 1,000 mm, Y: 1,000 mm

NC-controlled swivel milling head and NC-controlled B-axis with a gear spindle

Integrated motor spindle: 10,000 U / min High performance spindle, HSK-A100

Year of construction: 2008

1 DMG CNC 5-axis Universal Machining Center DMC 80 FD "duoBLOCK"

Milling / turning / grinding machining center

NC rotary table, internal coolant supply, infrared touch probe, NC-controlled swivel milling head

Tool changer: 123 Pockets

Pallet changer with flexible palletsystem

Linear axes: X: 800 mm, Z: 800 mm, Y: 1,050 mm

NC-controlled swivel milling head and NC-controlled B-axis with a gear spindle

Integrated motor spindle: 12,000 U / min High performance spindle, HSK-A63

Year of construction: 2018

1 DMG CNC 5-axis Universal Machining Center DMC 80 U "duoBLOCK"

NC rotary table, internal coolant supply, infrared touch probe, NC-controlled swivel milling head

Tool changer: 120 Pockets

Pallet changer with flexible palletsystem

Linear axes: X: 800 mm, Z: 800 mm, Y: 1,050 mm

NC-controlled swivel milling head and NC-controlled B-axis with a gear spindle

Integrated motor spindle: 12,000 U / min High performance spindle, HSK-A63

Year of construction: 2010

1 DMG CNC Universal Machining Center DMC 80 U "hi-dyn"

NC rotary table, internal coolant supply, infrared touch probe, NC-controlled swivel milling head 5-axis-Automated machining

Tool changer: 120 Pockets

Linear axes: X: 800 mm, Z: 600 mm, Y: 700 mm

Integrated motor spindle: 12,000 U / min High performance spindle

Refurbished: 2013

1 DMG CNC 5-axis Universal Machining Center DMU 80 P "duoBlock"

NC rotary table, internal coolant supply, infrared touch probe, NC-controlled swivel milling head 5-axis-Automated machining

Tool changer: 123 Pockets

Linear axes: X: 800 mm, Z: 850 mm, Y: 1,050 mm

Integrated motor spindle: 18,000 U / min High performance spindle, HSK-A63

Year of construction: 2017

1 DMG CNC 5-axis Universal Machining Center DMU 80 P "duoBlock"

NC rotary table, internal coolant supply, infrared touch probe, NC-controlled swivel milling head 5-axis-Automated machining

Tool changer: 123 Pockets

Linear axes: X: 800 mm, Z: 850 mm, Y: 1,050 mm

Integrated motor spindle: 18,000 U / min High performance spindle, HSK-A63

Year of construction: 2015

1 DMG CNC 5-axis Universal Machining Center DMU 80 P "duoBlock"

NC rotary table, internal coolant supply, infrared touch probe, NC-controlled swivel milling head 5-axis-Automated machining

Tool changer: 120 Pockets

Linear axes: X: 800 mm, Z: 800 mm, Y: 1,050 mm

Integrated motor spindle: 12,000 U / min High performance spindle

Year of construction: 2011

2 DMG CNC Milling and drilling machines DMU 80 P “hi-dyn”

NC rotary table, internal coolant supply, infrared touch probe, NC-controlled swivel milling head 5-axis-Automated machining

Tool changer: 120 Pockets

Linear axes: X: 800 mm, Z: 600 mm, Y: 800 mm

Integrated motor spindle: 12,000 U / min High performance spindle

Year of construction: 2007

1 DMG CNC Milling and drilling machine DMU 80 P “hi-dyn”

NC rotary table, internal coolant supply, infrared touch probe, NC-controlled swivel milling head 5-axis-Automated machining

Tool changer: 60 Pockets

Linear axes: X: 800 mm, Z: 600 mm, Y: 700 mm

Integrated motor spindle: 12,000 U / min High performance spindle

Year of construction: 2002

2 DMG CNC 5-axis Universal Machining Centers DMC 60 HL

With CNC-Swivel rotary table and pallet carriers, internal coolant supply, infrared touch probe

Tool changer: 183 Pockets

Pallet changer with flexible pallet system

Linear axes: X: 630 mm, Z: 750 mm, Y: 800 mm

Integrated motor spindle: 15,000 U / min High performance spindle, HSK-A63

Year of construction: 2018

1 DMG CNC 5-axis Universal Machining Center DMU 60 eVo

With CNC-Swivel rotary table, internal coolant supply, infrared touch probe

Tool changer: 120 Pockets

Linear axes: X: 600 mm, Z: 500 mm, Y: 500 mm

Integrated motor spindle: 18,000 U / min High performance spindle, HSK-A63

Year of construction: 2018

1 DMG CNC 5-axis Universal Machining Center DMU 60 eVo

With CNC-Swivel rotary table, internal coolant supply, infrared touch probe

Tool changer: 120 Pockets

Linear axes: X: 600 mm, Z: 500 mm, Y: 500 mm

Integrated motor spindle: 18,000 U / min High performance spindle, HSK-A63

Year of construction: 2014

2 DMG CNC 5-axis Universal Machining Centers DMU 60 eVo

With CNC-Swivel rotary table, internal coolant supply, infrared touch probe

Tool changer: 120 Pockets

Linear axes: X: 600 mm, Z: 500 mm, Y: 500 mm

Integrated motor spindle: 18,000 U / min High performance spindle, HSK-A63

Year of construction: 2012

1 DMG CNC 5-axis Universal Machining Center DMU 60 eVo with robot loading system

With CNC-Swivel rotary table, internal coolant supply, infrared touch probe

Tool changer: 120 Pockets

Linear axes: X: 600 mm, Z: 500 mm, Y: 500 mm

Integrated motor spindle: 18,000 U / min High performance spindle, HSK-A63

Year of construction: 2011

1 DMG CNC 5-axis Universal Machining Center DMU 60 P “hi-dyn”

NC rotary table, internal coolant supply, infrared touch probe, NC-controlled swivel milling head 5-axis-Automated machining

Tool changer: 120 Pockets

Linear axes: X: 600 mm, Z: 600 mm, Y: 700 mm

NC-controlled swivel milling head and NC-controlled B-axis with a gear spindle

Integrated motor spindle: 12,000 U / min High performance spindle

Year of construction: 2008

1 DMG CNC 5-axis Universal Machining Center DMU 60 P “hi-dyn”

NC rotary table, internal coolant supply, infrared touch probe, NC-controlled swivel milling head 5-axis-Automated machining

Tool changer: 30 Pockets

Linear axes: X: 600 mm, Z: 600 mm, Y: 700 mm

NC-controlled swivel milling head and NC-controlled B-axis with a gear spindle

Integrated motor spindle: 12,000 U / min High performance spindle

Year of construction: 2006

1 DMG CNC Universal Milling and drilling machine DMU 60 monoBlock

Internal coolant supply, infrared touch probe

Tool changer: 60 Pockets

Linear axes: X: 730 mm, Z: 560 mm, Y: 700 mm

Integrated motor spindle: 12,000 U / min High performance spindle

Year of construction: 2009

5 DMG CNC 5-axis Universal Machining Centers DMU 50 3rd

With CNC-Swivel rotary table, simulation tool
Tool changer: 60 Pockets, internal coolant supply
Linear axes: X: 650 mm, Z: 475 mm, Y: 520 mm
Year of construction: 2017 to 2018, 2021

1 DMG CNC Milling and drilling machine DMU 50

With CNC-Swivel rotary table, simulation tool
Tool changer: 30 Pockets
Linear axes: X: 500 mm, Z: 400 mm, Y: 450 mm
Year of construction: 2016

1 DMG CNC Milling and drilling machine DMU 50

With tool changer and fixed table
Linear axes: X: 500 mm, Z: 400 mm, Y: 450 mm
Year of construction: 2004

2 DMG CNC Milling and drilling machines DMU 50

With tool changer and swivel rotary table with digital display
Linear axes: X: 500 mm, Z: 400 mm, Y: 400 mm
Year of construction: 2001

Some Zoller presetting and measuring machines with optical technologies

PROGRAMMING:

Some 2,5 and 3D-CAM hyperMILL workstations

5-axis modules, standard interfaces such as STEP, DXF, DWG, IGES, VDA

DRILLING:

1 Rapid Radial Drilling Machine Danuflex 135

Worktable: 600 x 1,800 mm

Arm motion: 1,050 mm

Drilling capacity: 35 mm

Year of construction: 2000

LATHES:

1 Weiler E80 / D3 CNC-Precision lathe

Spindle bores: 106 mm, Centre height: 400 mm, Distance between centers: 2,000 mm

Year of construction: 2011

1 DMG MORI turn mill machining center CTX beta 1250 TC 2nd with robot loading system

Centre height: 250 mm, Distance between centers: 1,250 mm, unique versatility

Tool changer: 80 Pockets

Year of construction: 2018

1 DMG MORI turn mill machining center CTX beta 1250 TC 2nd

Centre height: 250 mm, Distance between centers: 1,250 mm, unique versatility

Tool changer: 80 Pockets

Year of construction: 2015

1 DMG MORI CLX 550 V3 Universal lathe

With C-Axis and 12 driven tools

Spindle bores: 104 mm, Centre height: 240 mm, Distance between centers: 1,240 mm

Year of construction: 2018

1 Gildemeister CTX 520 linear V4 CNC-Universal lathe

With C-Axis, Y-Axis and 12 driven tools

Spindle bores: 90 mm, Centre height: 335 mm, Distance between centers: 1,350 mm

Year of construction: 2006

2 Gildemeister CTX beta 800 CNC-Universal lathes

With C-Axis and 12 driven tools

Spindle bores: 65 mm, Centre height: 280 mm, Distance between centers: 800 mm

Year of construction: 2014

1 Gildemeister CTX beta 800 CNC-Universal lathe

With C-Axis and 12 driven tools

Spindle bores: 65 mm, Centre height: 280 mm, Distance between centers: 800 mm

Year of construction: 2013

1 Gildemeister CTX beta 800 CNC-Universal lathe

With C-Axis and 12 driven tools

Spindle bores: 65 mm, Centre height: 280 mm, Distance between centers: 800 mm

Year of construction: 2012

1 Gildemeister CTX 420 linear V3 CNC-Universal lathe

With C-Axis and 12 driven tools

Spindle bores: 65 mm, Centre height: 280 mm, Distance between centers: 635 mm

Year of construction: 2005

1 Gildemeister CTX 320 linear V3 CNC-Universal lathe

With C-Axis and 12 driven tools

Spindle bores: 51 mm, Centre height: 150 mm, Distance between centers: 450 mm

Year of construction: 2007

1 Gildemeister NEF 400 V3 CNC-Universal lathe

With C-Axis and 12 driven tools

12-station, Spindle bores: 65 mm, Centre height: 135 mm, Distance between centers: 800 mm

Year of construction: 2015

1 Gildemeister NEF 400 CNC-Universal lathe

12-station, Spindle bores: 65 mm, Centre height: 135 mm, Distance between centers: 800 mm

Year of construction: 2007

1 Weiler Condor VC plus precision lathe

Spindle bores: 57 mm, Centre height: 180 mm, Distance between centers: 800 mm

Year of construction: 2015

1 Weiler Condor VC precision lathe

Spindle bores: 56 mm, Centre height: 180 mm, Distance between centers: 800 mm

Year of construction: 2008

WIRE CUTTING EDM:

1 Agie Charmilles Progress VP 3

EDM cutting line

Linear axes: X: 500 mm, Z: 426 mm, Y: 350 mm

Micro Machining: until 0,05 mm

Max. X, Y, Z travel: 1.050 x 650 x 420 mm

Year of construction: 2018

1 Agie Charmilles Progress VP 2

EDM cutting line

Linear axes: X: 350 mm, Z: 256 mm, Y: 250 mm

Micro Machining: until 0,05 mm

Max. X, Y, Z travel: 750 x 550 x 250 mm

Year of construction: 2016

1 Agie Classic 2S

EDM cutting line

Linear axes: X: 350 mm, Z: 256 mm, Y: 250 mm

Max. X, Y, Z travel: 750 x 550 x 250 mm

Year of construction: 2002

GRINDIG:

1 Studer CNC- Universal cylindrical grinding machine S31 cnc

C-axis for the workhead for form and thread grinding

Distance between centers: 1,000 mm, Centre height: 175 mm

Year of construction: 2013

1 ELB Surface- and profilgrindig machine BD 15 KGT STC

With CNC-control

Grindig range: 1,500 x 600 mm, max. Max workpiece height: 600 mm

Year of construction: 2011

1 ELB Surface- and profilgrindig machine BD 10 ZRT XC PRO

With CNC-control

Grindig range: 1,000 x 600 mm, max. Max workpiece height: 610 mm

Year of construction: 2018

1 ELB Surface- and profilgrindig machine BD 10 KGT STC

With CNC-control

Grindig range: 1,000 x 600 mm, max. Max workpiece height: 500 mm

Year of construction: 2012

1 Geibel und Hotz Precision Rotary table grinding machine RT 600 SD

With NC-control

Grindig range: Ø 600 x 200 mm

Year of construction: 2017

1 Geibel und Hotz Precision flat grindig machine FS640SC

With NC-control

Grindig range: 600 x 400 x 375 mm

Year of construction: 2005

1 horizontal cross-grinding machine Sunnen MBB – 1660 CG

Integrated motor spindle: 200 – 2,500 min, diameter: 1,5 – 165 mm

Year of construction: 2011

SAWING:

1 Kasto tec A4 bandsaw

Cutting range: 430 x 430 mm

Year of construction: 2007

1 Kaltenbach semi-automatic purpose Circular Saw KKS 400

Saw cut until 130 mm, mitre cut until 180°

Year of construction: 2006

WELDING:

Inert-gas welding, electric welding, soldering and gas welding

Additional: Aluminium + stainless steel 1.4301, 1.4571, 1.4404, 1.4112, 1.4122

Some WIG and MIG-MAG welding systems

1 Precisionssystem soldering table: DEMELER

With Precision stretching system

3 Furnaces NABERTHERM

Inner dimension: 750 x 1.000 x 750 mm

1 Temperature test chamber / climatic chamber

Temperature range: +180 °C to -40 °C

Year of construction: 2017

QUALITY ASSURANCE:

1 ZEISS CNC-coordinate measuring system ACCURA

Linear axes: X: 1,600 mm, Z: 1,000 mm, Y: 3,000 mm

Calypso VAST Navigator Software

Year of construction: 2018

1 ZEISS CNC-coordinate measuring system ACCURA

Linear axes: X: 900 mm, Z: 800 mm, Y: 1,600 mm

Calypso VAST Navigator Software

Year of construction: 2014

1 ZEISS CONTURA G2 aktiv CNC-measuring system

Linear axes: X: 1,000 mm, Z: 600 mm, Y: 1,600 mm

Calypso VAST Navigator Software

Year of construction: 2007

1 ZEISS CONTURA G2 aktiv CNC-measuring system

Linear axes: X: 1,000 mm, Z: 600 mm, Y: 1,200 mm

Calypso VAST Navigator Software

Year of construction: 2017

1 ZEISS ECLIPSE CNC-measuring system

Linear axes: X: 700 mm, Z: 580 mm, Y: 1,000 mm

Calypso VAST Navigator Software

Year of construction: 2001

1 IFA-Granite plate Accuracy 2,000 x 1,000 mm

With TESA-Micro-Hite, Height gauges

5 IFA-Granite plates Accuracy 1,200 x 800 mm

With TESA-Micro-Hite, Height gauges

1 Faro Gage measuring arm

Volume: 1,2 m

Some surface roughness measurement

LASER LABELING:

1 Trumpf Tru Mark Station 7000

Laser labeling machine, Max. size of the workpiece, wide: 1,000 mm, high: 400 mm, deep: 500 mm

Year of construction: 2012

PARTS CLEANING:

1 ELMA Ultrasonic Cleaning Machine

Year of construction: 2014

SURFACE FINISH:

1 glass bead blasting RAGA PULSAR III

With blasting abrasive recycling

1 Mechanical-chemical polishing

SERVICE:

Established delivery network

CNC laser cutting (stainless steel and aluminium)

CNC coordinate cutting

Flame cutting / plasma cutting

Water jet cutting

Sink erosion

3D-print

Any surface- and hardening process with short delivery time

ASSEMBLY SERVICES:

Montage of

- Assemblies
- Customized machines
- Station and production line
- Handlings systems
- Clamping Fixtures
- Complete machines, electric and pneumatic installed

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