
Turning

DMG CTX gamma 2000 TC

max. \varnothing 700 mm, max. length 2,000 mm
turning & milling spindle with 12,000 min⁻¹

VDF Boehringer DUS560Ti

max. \varnothing 500 mm, max. length 1,500 mm

Weiler Praktikant

max. \varnothing 120 mm, max. length 300 mm

Niles Simmons N20 MC

max. \varnothing 700 mm, max. length 2,000 mm
turning & milling spindle with 12,000 min⁻¹

Gildemeister CTX 420 V6

max. \varnothing 200 mm, max. length 860 mm
X = 400 mm, Y = +/- 40 mm, Z = 650 mm

Milling

UnionChemnitz KCG 125

Precision horizontal boring mill
X = 2,000 mm, Y = 1,600 mm, Z = 1,500 mm

Kunzmann WF 600 MC

X = 600 mm, Y = 400 mm, Z = 400 mm

DMG Type DMC 80

Machining centre
X = 800 mm, Y = 800 mm, Z = 800 mm
2 pallets with automatic change

Mill-Turning

DMU 80 FD duoBLOCK®

Universal machining centre
800 mm x 1,050 mm x 800 mm
NC milling / turning table \varnothing 800 mm

Gear Cutting

Liebherr LC 382

max. \varnothing 450 mm, max. length 250 mm
max. workpiece length 720 mm
module 0.8 - 8.0 mm
according to DIN 5480/3972

Liebherr LFS 382

max. \varnothing 600 mm, max. length 95 mm
X = 600 mm, Z = 100 mm
module 0.5 - 7.0 mm

DMU 80 FD duoBLOCK®

5-axis simultaneous machining for straight and helical bevel gears, spiral bevel gears (Cyclo-Palloid®), arc-toothed bevel gears (Gleason type SGT) and bevel gears with axial offset (Hypoid)

Gratomat AT 1201**Gratomat 50 W**

External / Internal Grinding

CNC-Kellenberger KEL-VARIA 300

External cylindrical grinder
max. \varnothing 600 mm, max. length 1,500 mm
center height 300 mm

External Grinding

CNC-Kellenberger US 225/1000

max. \varnothing 450 mm, max. length 1,000 mm
center height 225 mm, controller: Kelco 80

MSO FH-200/750

max. \varnothing 250 mm, max. length 600 mm

Internal Grinding

Voumard 200 / L6

max. \varnothing 205 mm (chuck jaw)
max. \varnothing 300 mm (magnet)
max. length 500 mm

Jung D22

max. \varnothing 385 mm, max. length 250 mm
max. outer \varnothing 510 mm

Gear Grinding

Kapp KX 300 P

max. \varnothing 330 mm, max. length 650 mm
module 0.5 - 5.0 mm

Gleason-Pfauter P 600/800 G

max. \varnothing 800 mm, max. length 1,055 mm
module 0.8 - 15.0 mm

Spline Shaft Grinding

Fritz Werner

Spline shaft grinder
max. \varnothing 90 mm, max. length 700 mm

Face Grinding

Elb-Schliff SWBDE 10 easyTouch PLC

X = 600 mm grinding width
Y = 1,000 mm grinding length
Z = 600 mm grinding height
max. table load 800 kg

Other Machines

Paint shop**Eitel RP 25**

Straightening press

Leistritz Polymat 70 CNCKeyseating machine
cutting width 70 mm**Sandblasting**Turning table \varnothing 710 mm (electrically)
max. workpiece height 500 mm**Henninger**

Centre grinding machine

Schenck CAB 700

Balancing machine

Metalas MCF 1250

Cleaning system

DMG VIO Microvision III

Tool presetting machine

Measuring / Test Equipment Air-Conditioned Measuring Room

Zeiss KMG Accura 10X = 1,200 mm, Y = 1,800 mm, Z = 1,000 mm
Profile and tooth-trace checking for internal
and external toothing**Höfler EMZ 632**Profile and tooth-trace Checking centre
incl. bevel gear measurement
max. \varnothing 630 mm
module 0.5 - 20.0 mm
top width 1,000 mm
Computer-controlled measuring device**Mahr Marsurf M300**

Surface measurement

Hommel T 1.000

Surface measurement

Isserstedt Garant 150 R

Vickers / Rockwell hardness test, HV / HRC

Ernst ESATEST MTRRockwell hardness test
(suitable for boreholes and gearings)**Zeiss KMG Prismo 5**X = 700 mm, Y = 800 mm, Z = 500 mm
Profile and tooth-trace checking for internal
and external toothing**Höfler ZW 400**Tooth flank measuring device
max. \varnothing 500 mm
module 8.0 mm**Hommel Wave T 8.000**

Form and roughness measurement

Reicherter Briviskop 187,5

Brinell hardness test, HBW

Krautkrämer

hardness test

Gravograph IS 400

Assembly / Test Bench

Assembly plant

Noise investigation and frequency analysis

Test bench for components and gearboxes

VIBXPART II Advanced Vibration meter