

5-axis multi-tasking machine Mazak Integrex e-1850V/20 II

X-, Z-, Y-, C- and interpolating B-axis

make: 2008

machining diameter: 2350 mm; machining length: 1800 mm

axis travel: X=3055 mm; Y=1850 mm; Z=1800 mm

5-axis multi-tasking machine Mazak Integrex e-1550V/10 II

X-, Z-, Y-, C- and interpolating B-axis

make: 2008

machining diameter: 2000 mm; machining length: 1450 mm

axis travel: X=1875 mm; Y=1550 mm; Z=1345 mm

5-axis multi-tasking machine Mazak Integrex e-1060V/8

X-, Z-, Y-, C- and interpolating B-axis

make: 2004

machining diameter: 1250 mm; machining length: 1300 mm

axis travel: X=1875 mm; Y=1060 mm; Z=1345 mm

5-axis multi-tasking machine Mazak Integrex 70YB

X-, Z-, Y-, C- and interpolating B-axis

make: 2001

machining diameter: 915 mm; machining length: 4000 mm

lunette / workpiece support: \varnothing 90 – 350 mm

5-axis multi-tasking machine Mazak Integrex 400 IV S

X-, Z-, Y-, C- and interpolating B-axis

make: 2008

machining diameter: 400 mm; machining length: 1500 mm

swing diameter: 760 mm

4-axis turning and milling centre Mazak Integrex 35 Y

X-, Y-, Z- and C-axis

make: 1998

machining diameter: 570 mm; machining length: 1000 mm

Turning and milling centre Mazak Multiplex 630

with automatic gantry loader GL 400 (2 x 40 kgs)

make: 2000

machining diameter: 350 mm

2 chucks

2 turrets with 12 driven tooling each

chuck-to-chuck workpiece transfer

Turning centre Mazak Quick Turn NEXUS 450-II M

make: 2007
machining diameter: 580 mm; machining length: 2000 mm
swing diameter: 845 mm
turret with 12 driven tooling

Turning centre Mazak Super Quick Turn 250 M

make: 2001
machining diameter: 300 mm; machining length: 1000 mm
swing diameter: 350 mm
turret with 12 driven tooling

Turning centre Mazak Quick Turn 40

make: 1996
machining diameter: 400 mm; machining length: 1000 mm
swing diameter: 510 mm
turret with 12 tools

Turning centre Mazak Quick Turn 20

make: 1997
machining diameter: 200 mm; machining length: 450 mm
swing diameter: 440 mm
turret with 8 tools
bar work capacity: 50 mm

Horizontal turning centre WMW-Niles

integration of CNC: 2002
machining diameter: 2480 mm; machining length: 600 mm
turret with 8 tools VDI 60

NC turning machine Monforts KNC 5 S (3000)

make: 2000
max. machining diameter: 580 mm; machining length: 3000 mm
teach-in NC

Horizontal machining centre Mazak FH 6800

make: 1999

axis travel: X=1050 mm; Y=800 mm; Z=880 mm

2 pallets 630 x 630 mm ; pallet indexing : 1°

Horizontal machining centre Mazak HC Nexus 6000

make: 2005

axis travel: X=800 mm; Y=800 mm; Z=800 mm

2 pallets 500 x 500 mm ; pallet indexing : 1°

Vertical machining centre Haas VF-6/50HE

make: 2006

axis travel: X=1625 mm; Y=812 mm; Z=762 mm

30 tools

Midaco pallet changer (2 pallets)

2x vertical machining centre Mikron VCE 1000

make: 1995 / 1997

axis travel: X=1000 mm; Y=500 mm; Z=500 mm

20 tools

Coordinate measuring machine Mitutoyo EURO-C APEX 9166

make: 2001

axis travel: X=905 mm; Y=1605 mm; Z=605 mm

additionally:

- Manufacturing of large bearing balls $100 \text{ mm} \leq \varnothing \leq 400 \text{ mm}$
- Several conventional turning and milling machines
- Automatic band saw Kasto 400 mm x 400 mm (B x H)
Band saw Kasto 800 mm x 600 mm (B x H) + 1.000 mm x 600 mm (B x H)
- Welding of parts after / before machining in our works
material: steel, stainless steel, aluminum
(not available for parts which require a welding certificate)
- Engineering-services
3D-CAD-system CATIA V5
CAM-system Mastercam X6