

OUR MACHINES

5 AXIS

MILLING MACHINES

- > 5-axis a500Z Horizontal Machining center Makino, motor spindle 14000 rpm
Maximum Workpiece Size Ø 630 mm x 500 mm High,
table that rotates 360° in the B-axis and 180° in the C-axis
Pallet changer and tool magazine 218 stations
- > 5-axis G550 Universal MachiningCenter GROB motor spindle 16000 rpm,
800x1020x1020, table that rotates 240° in the A-axis and 360° in the B-axis,
13 pallet changer and tool magazine 120 stations
- > 5-axis machining centre DECKEL-MAHO DMC 100U motor spindle 12000 rpm,
1000x1250x1000 mm range, tool magazine 240 stations, tool presetter tracer point
and laser. Completed with a 2 positions pallet changer
- > 5-axis machining centre DECKEL-MAHO DMU 70 eVolution, motor spindle 18000 rpm,
750x600x520 mm range, tool magazine 60 stations, tool presetter tracer point
and laser. Completed with a 6 positions pallet changer
- > 5-axis machining centre DECKEL-MAHO DMU 60P, motor spindle 18000 rpm,
600x700x600 mm range, tool magazine 60 stations, tool presetter tracer point and laser

3 AXIS

MILLING MACHINES

- > Machining centre SIGMA MISSION 3M, motor spindle 12000 rpm,
1000x650x685 mm range, with 4th axis
- > Machining centre EMCO-FAMUP MC 75-50, motor spindle 12000 rpm, 750x500x640 mm range

TURNING

MACHINES

- > Millturn machining centre WFL M30-G with counter spindle. machining length 1800 mm,
swing diameter 520 mm.
- > CNC universal lathe DMG CTX gamma 2000 TC with counter spindle max.
machining diameter 680 mm. Turning length 2000 mm
- > CNC lathe GRAZIANO GT 500M, max turning diam. 540xL=1100 mm, 3500 rpm
turret tool, draw tube bore 80
- > Lathe DMG CTX 310 V6, max turning diam. 200x400 mm sub-spindle Y axis,
draw tube bore 55

PRESETTING

- > ZOLLER Venturion 450/6 CNC

SPARK EROSION

MACHINES

- > Wire-cut spark erosion machine Charmilles Robofil 400, 450x320x200 mm
with programming system CAD/CAM

GRINDING

MACHINES

- > CNC-Tangential grinding machine ROSA with magnetic plane 1500x600 mm
- > Internal and external grinding machine KELLENBERGER U 1000, diam. 450xL=1000 mm
- > Internal and external grinding machine STUDER 30

OTHER

MACHINES

- > Polishing machine
- > Shoot-peening machine, sand-blasting machine
- > High-bay store LISTA, MEGAMAT FSE

PROGRAMMING

- > Program and simulation system CAD/CAM 5-axis OPEN MIND, HyperMILL®
- > Post-processor program Vericut version 7.4.2

QUALITY

CONTROL

- > CMM ZEISS ACCURA measuring range 1200x1800x1000 mm
- > CMM ZEISS CONTURA measuring range 900x1200x800 mm