

machine data and equipment:

- CNC machining center CHIRON FZ08W:
 - X 300 mm
 - Y 250 mm
 - Z 250 mm
 - tool holder for 12 tools
 - HSK 32
 - automated workpiece change
 - tool changeover time 1,5s (Chip-to-chip time)
 - ppm range 15.000 rpm
- CNC machining center CHIRON FZ12W Magnum:
 - X 550 mm
 - Y 300 mm
 - Z 425 mm
 - tool holder for 20 tools
 - SK 40 / internal cooling
 - automated workpiece change
 - tool changeover time 2,2s (Chip-to-chip time)
 - ppm range 10.500 rpm
- CNC machining center CHIRON FZ15W:
 - X 550 mm
 - Y 450 mm
 - Z 425 mm
 - tool holder for 20 tools
 - HSK 63 / internal cooling
 - automated workpiece change
 - tool changeover time 2,1s (Chip-to-chip time)
 - ppm range 12.000 rpm
 - 4. axis 2 NC-rotary table
- CNC machining center CHIRON MILL2000:
 - X 2000 mm
 - Y 480 mm
 - Z 630 mm
 - tool holder for 40 tools
 - HSK 63 / internal cooling
 - NC swivel head
 - allows pendulum working
 - tool changeover time 5,0 s (Chip-to-chip time)
 - ppm range 12.000 rpm
- CNC machining center DMG MORI CMX 800 V
 - X 800 mm
 - Y 560 mm
 - Z 510 mm
 - tool holder for 30 tools
 - SK 40 / internal cooling
 - tool changeover time 6,5 s (Chip-to-chip time)
 - ppm range 12.000 rpm
- Milling machine INTOS FNGJ 30
 - X 450 mm
 - Y 300 mm
 - Z 350 mm
 - digital display
 - SK 40
 - table 300x600
- Fully automatic circular sawing machine
BERG & SCHMID VKS 350:
 - steel machining
 - cut range 180 x 100 mm
- Fully automatic circular sawing machine
BERG & SCHMID Velox 350:
 - aluminium machining
 - cut range 180 x 100 mm
- Drilling and tapping machines
- Center lathe WEILER Praktikant
 - height between centers 160mm
 - width between centers 650mm
- Tool presetter KELCH
- Measuring station
 - MAUSER altimeter CAPAX 2000
 - MAUSER altimeter CAPAX 2
 - TESA altimeter micro-hite plus m 600