



January 2025
Technical Information



Technical Information

January 2025

IT information and services

3D / CAD-System

Solidworks 2025

3D / CAM - System

Mastercam 2025

Interfaces

favoured: Parasolid XT, STEP, SAT, STL / other: IGES, VDA

3D Scanner

Artec Space Spider incl. Geomagix Design X Software

Additive manufacturing

Stereolithography (SLA)

Viper Si

Building volume: X=250 mm; Y=250 mm; Z=150mm

iPro 8000

Building volume: X=650 mm; Y=750 mm; Z=550 mm

Selective laser sintering (SLS)

ProX SLS 6100

Building volume: X=380 mm; Y=330 mm; Z=460 mm

sPro 60HD-HS

Building volume: X=350 mm; Y=300 mm; Z=350 mm

Vanguard HS

Building volume: X=350 mm; Y=300 mm; Z=350 mm

Mechanical production

CNC milling machines

Fehlmann VERSA 645 linear with automation robots
Rotary swivelling table for 5-axis machining
with ITS diameter 148 mm and PC 210 mm
Spindle speed: 42'000 rpm

Mikron HSM 600 U with pallet changer
Rotary swivelling table for 5-axis machining
Pallet size: 240 x 240 mm
Spindle speed: 42'000 rpm

Mikron Mill S 400 with pallet changer
Rotary swivelling table for 5-axis machining
with ITS diameter: 148 mm
Spindle speed: 42'000 rpm

Mikron UCP 600 HSC
Rotary swivelling table for 5-axis machining
Table diameter: 420 mm
Spindle speed: 42'000 rpm

Mikron UCP 600 HSC Vario with pallet changer
Rotary swivelling table for 5-axis machining
Pallet size: 240 x 240 mm
Spindle speed: 42'000 rpm

Mikron VCP 800
Driveways: X=800 mm; Y=600 mm; Z=500 mm
Spindle speed: 20'000 rpm

Mikron UM 900 HSC
Driveways: X=900 mm; Y=630 mm; Z=500 mm
Spindle speed: 42'000 rpm

CNC Lathe

Kern CD 282
Turning diameter: 250 mm to turning length 80 mm
Turning diameter: 140 mm to turning length 470 mm

Duplicate

Vacuum moulding machines

7 various systems from HEK
with special pressure vessel
max. mould size: 900x600x600 mm
max. part weight: 5'000 grams

Low pressure moulding machines (RIM)

3 various systems from Tartler
max. part weight: 10'000 grams

