

Machinery

Below we will give you an overview of our machinery. A list of our technical equipment is available for print under the menu item "[Downloads](#)".

Mechanical production

Manufacturers	Control	Travelling dist. [mm]
5-axis portal milling machine Heyligenstaedt HEYNUMILL 3200-P	FIDIA M20	6,000 x 4,000 x 1,400
5-axis portal milling machine Heyligenstaedt HEYNUMILL - GANTRY 4000	FIDIA C20 X Power	6,500 x 4,000 x 1,400
5-axis milling center DMG Mori Seiki DMU 270P	Heidenhain iTNC 530	2,700 x 2,700 x 1,600
5-axis milling center DMG Mori Seiki DMU 210P	Heidenhain iTNC 530	1,800 x 2,100 x 1,250
5-axis milling center DMG DMU 200P (circular table, swivelling head)	Heidenhain iTNC 530	2,000 x 1,800 x 1,100
5-axis milling center DMG DMC 85 RS6 (circular table, swivelling head)	Heidenhain iTNC 640	935 x 850 x 650
5-axis milling center DMG DMU 80 mono Block (circular table, swivelling head)	Heidenhain iTNC 530	980 x 630 x 630
3-axis milling center DMG DMC 104V Linear	Heidenhain iTNC 530	1,040 x 1,000 x 500
Boring machine Fermat WFT 13 CNC	Heidenhain iTNC 530	3,500 x 2,500 x 1,250

Precision surface grinding machine Okamoto PSG 84 UDX	Digital display	800 x 500 x 400
Cylindrical external/internal grinding machine Paragon GUP 32x5		Centre distance 500 Centre height 150
Precision lathe Harrison ALPHA 400 Plus	FANUC GE 21T	Centre distance 1250 Centre height 195

Presses	Manufacturer	Press capacity in [kN]	Table dimension [mm]
1 Tryout-press (Upper and lower air circulation)	Loire Safe	25,000	5,000 x 2,500
1 Tryout-press (Upper and lower air circulation)	SCMB Müller Weingarten- HACO	16,000	4,500 x 2,500
1 Tryout-press	Raster - SWZ	5,000	5,000 x 2,500

CAD systems

CAD work stations	CATIA V5
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CAM systems

2 ½D/3D CAM work stations	Tebis
CAM work stations	Work-NC

Datatransfer

B2B, E-Mail, FTP, KVS, Swan, WebDAV, PRISMA

Forming simulation

Work Station	Autoform
Work Station	Pam Stamp

Measuring devices

CNC-controlled ZEISS 3D co-ordinate measuring machine SMM-C/RDS in air-conditioned room Software: Zeiss Calypso Holos NT Measure Dimension Reverse Engineering	3000 x 1600 x 2100
Stiefelmayer 3D co-ordinate measuring machine equipped with interactive terminal for data transfer	3000 x 1600 x 2100
optical 3D-scanner GOM Atos Triple Scan Software: ATOS Professional File formats: .igs, .stl, .atos	