

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 |
| 5-axis milling center Soraluce TA-A 25 | Heidenhain TNC 640 | 2,500 x 1,200 x 1,250 |
| 3-axis milling center DMG DMC 104V Linear | Heidenhain iTNC 530 | 1,040 x 1,000 x 500 |

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|--|------------------------|---|
| 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 |
| Lapping Stähli ML 1500-3 | | ∅ dressing ring 580 |

| 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

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|-------------------|----------|
| CAD work stations | CATIA V5 |
|-------------------|----------|

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

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|--|--------------------|
| 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 | |