SCHMIDT
Zerspanungstechnik GmbH

* 1 CNC Milling head continuously adjustable
* 2 CNC Milling head continuously and simmultan adjustable
* 3 CNC Milling head with 2,5° Steps adjustable
* 4 Milling head manuell contnously adjustable

# Machine List 2023

| located in Hall No. | Number of Machines | Number of Shifts | Designation | Manufacturer | Year o C | No o axis | Millinghead | Controlling System | Clamping Table | Axis in mm X | Y | Z | Accessories | Equipment: Crane capacity in to | max. weight capaciti fixed Table in to | max. weight capacity turntable in to | Inner cooling system | cooling system pressure in bar | Cangebal Milling Heads | Tooling Size | No. Of Tooling stock places | Clambing devices | Magnetic clamping system | Vacum clamping System | zero point clamping system |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Milling Machines** | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 1 | 2,5 | CNC travel stand milling machine | FPT Ronin 10.000 | 2009 | 5 Axis | * 1 | Heidenhain iTNC 530 | 10000 X 2000 | 10000 X | 1500 X | 2500/3000 | rotary machine table, CNC indexing device, tailstock | 10/6,3/3,2 | 150 | 15 | X | 80 | yes 2 | SK 50 | 80 | 2x | X | X | |
| 2 | 1 | 2,5 | CNC travel stand milling machine | FPT Ronin 6.000 | 2007 | 5 Axis | * 1 | Heidenhain iTNC 530 | 7000 X 2500 | 6000 X | 1500 X | 2000/2500 | rotary machine table | 10/6,3/3,2 | 150 | 10 | X | 20 | yes 2 | SK 50 | 80 | 2x | X | X | |
| 1 | 1 | 2 | CNC travel stand milling machine | FPT Tessen | 2012 | 5 Axis | * 1 | Heidenhain iTNC 530 | 3500 X 1000 | 3500 X | 1100 X | 1450 | integrated rotary machine table Ø 1000mm complete controlled axis | 10/5,0/5,0 | 10 | 6 | X | 40 | yes 1 | SK 50 | 60 | 1x | X | X | |
| 1 | 1 | 2 | CNC portal milling machine | Forrest Line Seramill 8000 | 2004 | 5 Axis | * 3 | Heidenhain iTNC 530 | 9000 X 2200 | 8000 X | 2400 X | 1450 | Magnet and Vacuum clambing device | 10/5,0/5,0 | 100 | - - - | X | 20 | no | SK 50 | man. | 4x | X | X | |
| 2 | 1 | 2 | CNC bed-type milling machine | Kiheuyn | 2009 | 4 Axis | * 3 | Heidenhain iTNC 530 | 4200 X 1100 | 4000 X | 1350 X | 1500 | | 10/6,3/3,2 | 10 | - - - | X | 40 | no | SK 50 | 60 | 2x | X | | |
| 2 | 1 | 2 | CNC Bearbeitungszentrum | DMG DMU-160-P | 2007 | 5 Axis | * 2 | Heidenhain iTNC 530 | Ø 1500 X 1250 | 1600 X | 1250 X | 1000 | Gearbox Spindel with 1200 Nm tork | 10/6,3/3,2 | - - - | 4 | X | 40 | no | SK 50 | 120 | | X | | X |
| 2 | 1 | 2 | CNC machining center | DMG DMU-80-P | 2014 | 5 Axis | * 2 | Heidenhain iTNC 640 | Ø 900 X 700 | 800 X | 1050 X | 850 | Motorspindel with 430 Nm tork and 12.000 R/min | 10/6,3/3,2 | - - - | 1,5 | X | 80 | no | SK 50 | 123 | | X | | X |
| 1 | 1 | 2 | CNC machining center | DMG DMU-95 MONOBLOCK | 2016 | 5 Axis | * 2 | Heidenhain iTNC 640 | Ø 850 X 1000x750 | 950 X | 850 X | 650 | Motorspindel with 130 Nm tork and 20.000 R/min Highspeed cutting | 10/5,0/5,0 | - - - | 1 | X | 40 | no | SK 40 | 60 | | X | | X |
| 1 | 1 | 2 | CNC machining center | DMG DMU-95 MONOBLOCK | 2018 | 5 Axis | * 2 | Heidenhain iTNC 640 | Ø 850 X 1000x750 | 950 X | 850 X | 650 | Motorspindel with 130 Nm tork and 20.000 R/min Highspeed cutting | 10/5,0/5,0 | - - - | 1 | X | 40 | no | SK 40 | 60 | | X | | X |
| 1 | 1 | 2 | CNC machining center | DMG DMU-75 MONOBLOCK | 2017 | 5 Axis | * 2 | Heidenhain iTNC 640 | Ø 650 X 800x650 | 750 X | 650 X | 560 | Motorspindel with 130 Nm tork and 20.000 R/min Highspeed cutting | 10/5,0/5,0 | - - - | 1 | X | 40 | no | SK 40 | 60 | | X | | X |
| 1 | 1 | 2 | CNC machining center | DMG DMU-50 MONOBLOCK | 2018 | 5 Axis | * 2 | Heidenhain iTNC 640 | Ø 630 X 630x500 | 650 X | 520 X | 475 | Motorspindel with 110 Nm tork and 20.000 R/min Highspeed cutting | 10/5,0/5,0 | - - - | 1 | X | 40 | no | SK 40 | 60 | | X | | X |
| 3 | 1 | 2 | CNC machining center vertical | Sigma | 2004 | 3 Axis | standard | Heidenhain iTNC 530 | 1400 X 700 | 1200 X | 800 X | 700 | Motorspindel with 235 Nm tork and 15.000 R/min | 10/3,2 | 2 | - - - | X | 15 | no | SK 40 | 40 | | X | | X |
| 3 | 1 | 2 | CNC machining center vertical | DMG - DMC 835 V | 2008 | 3 Axis | standard | Heidenhain iTNC 530 | 1000 X 560 | 835 X | 800 X | 500 | Motorspindel with 110 Nm tork and 12.000 R/min | 10/3,2 | 1 | - - - | X | 20 | no | SK 40 | 24 | | X | | X |
| 3 | 1 | 1 | CNC machining center vertical | Deckel Maho FP3-500CNC | 1999 | Training | standard | Heidenhain iTNC 415 | 800 X 480 | 500 X | 400 X | 400 | | 10/3,2 | 1 | - - - | --- | 5 | no | SK 40 | 12 | | | | |
| 3 | 1 | 1 | Universal milling machine | Friedrich Deckel FP31G | 1996 | Training | standard | konventionell | 1000 X 440 | 800 X | 300 X | 400 | | 10/3,2 | 1 | - - - | --- | 3 | no | --- | --- | | | | |
| **2. Boring mills** | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 1 | 2 | CNC Boring mill | Juaristi | 1999 | 5 Axis | standard | Heidenhain TNC 355 | 2100 X 1200 | 2000 X | 1500 X | 1100 | | 10/5,0/5,0 | - - - | 10 | --- | 5 | no | SK 50 | man. | | | | |
| 1 | 1 | 1 | CNC Boring mill | TOS WH 10 CNC | 2000 | 5 Axis | standard | Heidenhain TNC 415 | 1100 X 1000 | 1250 X | 1000 X | 1000 | | 10/5,0/5,0 | - - - | 5 | --- | 5 | no | SK 50 | man. | | | | |
| 2 | 1 | 2 | CNC Boring mill | TOS WH 13 CNC | 2004 | 5 Axis | standard | Heidenhain TNC 426 | 2100 X 1200 | 1950 X | 1500 X | 1100 | | 10/6,3/3,2 | - - - | 10 | X | 20 | no | SK 50 | man. | 2x | | | |
| **3. Turning lathes** | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 1 | | CNC turning lathe | Weiler E 110 | 2012 | | | Weiler/Siemens | Swing over bed 1100, over Slider 725, Distance between centres 4500 | | | | Support Grinding device for inner a outside grindings. | 10/5,0/5,0 | 6 | | | | | | | | | | |
| 1 | 1 | | CNC turning lathe | Weiler E 70 | 2013 | | | Weiler/Siemens | Swing over bed 700, over Slider 430, Distance between centres 2000 | | | | | 10/5,0/5,0 | 3,8 | | | | | | | | | | |
| 1 | 1 | | CNC turning lathe | Weiler E 55 | 2009 | | | Weiler/Siemens | Swing over bed 550, over Slider 315, Distance between centres 1000 | | | | | 10/5,0/5,0 | 2 | | | | | | | | | | |
| 3 | 1 | | CNC turning lathe | Weiler E 35 | 2004 | Training | | Weiler/Siemens | Swing over bed 350, over Slider 205, Distance between centres 750 | | | | | 10/3,2 | 1 | | | | | | | | | | |
| 1 | 1 | | CNC turning and milling center | DMG Mori NLX2500/700SY | 2016 | | | Mitsubishi M730UM | Swing over bed 920, over Slider 366, Distance between centres 700 | | | | y axis 100mm, Toolingrevolver 12 times all driven, second Spindle, handing over Spindle | 10/5,0/5,0 | 1,5 | | | | | | | | | | |
| 3 | 1 | | manuell turning lathe | Jessey Champion | 2007 | Training | | konventionell | Swing over bed 435, over Slider 300, Distance between centres 1000 | | | | | 10/3,2 | 1 | | | | | | | | | | |
| **4. Grinding machines** | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 1 | 1 | CNC flat grinding machine | Rosa | 1999 | | | Rosa CNC | 1700 X 750 | | | | | 10/3,2 | | | | | | | | | | | |
| 3 | 1 | 1 | manuell flat grinding machine | Stöckel | 2004 | | | Cyclic | 800 500 | | | | | 10/3,2 | | | | | | | | | | | |
| 3 | 1 | 1 | CNC external cylindrical grinding machine | CETOS BU 63 CNC | 2003 | | | Siemens 840 D | Ø630 X 2000 | max weight 3000kg | | | OD/ID/Plane and Groove Grinding | 10/3,2 | | | | | | | | | | | |
| **5. Sawing machines** | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 1 | 2 | Endless Saw automat | TMJ PP 502 CNC | 2006 | | | | Ø450 | | | | automatic Paket infeeding system | 10/3,2 | | | | | | | | | | | |
| 3 | 1 | 1 | Endless Saw automat | Berg u Schmied | 2006 | | | | Ø250 | | | | miter cut | 10/3,2 | | | | | | | | | | | |
| **6. Push-type slotter** | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 1 | 1 | Push type slotter machine | Jakob Behr | 1974 | maximum groove width to 30mm, maximum Diameter up to 400mm, maximum groove length 250mm | | | | | | | | 10/3,2 | | | | | | | | | | | |
| **7. Welding during EN ISO 3834** | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 1 | 1 | Mig Mag Wig welding | Fronius | 2011 | 2 pcs Fronius Welding machines (Mig Mag), 1 pcs ESAB LTG 250 (Wig) | | | | | | | Constructions up to 5 to weight | 0,5/5,0 | | | | | | | | | | | |
| 4 | 1 | 1 | Mig Mag Wig welding | Cloos | 2011 | 1 pcs Cloos Welding machine (Mig Mag) | | | | | | | Constructions up to 5 to weight | 0,5/5,0 | | | | | | | | | | | |
| **8. Blasting Systems** | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 1 | 1 | Sandblasting Equipment for black Material | MHG | 2013 | cabin size 1500mm x 1500mm x 1300mm with suction and filter | | | | | | | Constructions up to 1 to weight | 10/3,2 | | | | | | | | | | | |
| 3 | 1 | 1 | Glass bead Blasting Equipment for SS Mat. | MHG | 2017 | cabin size 1200mm x 700mm x 800mm with suction and filter | | | | | | | Constructions up to 0,5 to weight | 10/3,2 | | | | | | | | | | | |
| **9. Paintshop** | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 1 | 1 | bucket gun spray process | | 2011 | cabin 3.0 m x 4.5 m with suction and filter | | | | | | | Constructions up to 5 to weight | 10/3,2 | | | | | | | | | | | |
| **10. Ultrasonic Cleaning and deburring Machine** | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 1 | 1 | Ultrasonic Cleaning and deburring | SpeMTec | 2018 | Machine with 4 Chambers and 1 Dryingzone. Chambersizes 500mm x 300mm x360mm each | | | | | | | Constructions up to 100 kg weight | 10/3,2 | | | | | | | | | | | |