SCHMIDT
Zerspanungstechnik GmbH

Machine List 2025

* 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

Status: 10.12.2024

located in Hall No.	Number of Machines	Number of Shifts	Designation	Manufacturer	Year o C	No o axis	Millinghead	Controlling System	Clamping Table	Axis way 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	coolling system pressure in bar	Cangeba l Milling Heads	Tooling Size	No. Of Tooling stock places	Clambing devices	Magnetic clamping system	Vacuum 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	40	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	40	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; Complete retrofit in 2019	10/5,0/5,0	100	- - -	X	40	no	SK 50	60	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	HSK63	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
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	2	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	2	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	2	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										
1	1	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										
3	1	1	Manual turning lathe	Jessey Champion	2007	Training		non CNC Manual	Swing over bed 200, over Slider 135, Distance between centres 1000																		
4. CNC Turning and milling Centers																											
1	1	2	CNC turning and milling center	DMG Mori NLX2500/700SY	2016			Mitsubishi M730UM with CELOS	Swing over bed 950, over Slider 742, max. 266; Distance between centres 750; max turning length 700						y axis 100mm, Main Spindel 4.000 1/min. passage Ø80; second Spindel handle over Spinde passage Ø73 6.000 1/min.; Toolingrevolver 12 times all driven, Intorret Drive 6.000 1/min., Jaw Chuck 315 and 250	10/5,0/5,0	1,5	X	10		Sauter NL/BMT60 retainer	12				
1	1	2	CNC turning and milling center	DMG Mori CTX Beta 800 TC	2023			Siemens 840 D	Swing over bed 480, over Slider 254, Distance between centres 800; max. turning length 700; with end face machining max. 150 lenght						y axis 200mm; Main Spindle 5.000 1/min. passage Ø60; second Spindel handle over Spindle 6.000 1/min.; Milling Spindel Head 12.000 1/min 120Nm;, +/- 110° pivotable; Toolstock for 24 Tools, Tool Lenght max. 300; Jaw Chuck 260 and 165	10/5,0/5,0	1,0	X	8/20		HSK 63	24				
5. Grinding machines																											
3	1	1	CNC flat grinding machine	Rosa	1999			Rosa CNC	1800 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										
6. Sawing Centers																											
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										
7. 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										
8. 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										
9. 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										
10. 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										
11. 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										