

Machining

Technology	Total Number	Machine Designation	Axes	Machining Size [mm]			Number of Tensile Tools	Materials	Additional	Main-/ Counterspindle [kW]	Tool Change Time	Internal Cooling	Main-/ Counterspindle [U/min]
				Spindle Bore Diameter	max. Turning Length	max. Diameter							
CNC Turning with Counter Spindle	5	GILDEMEISTER CTX 420 linear	3	65	620	565	12	Metall Plastics		25	0,07	Yes	5000 7000
CNC Turning with Counter Spindle	1	EMCO MaXXturn 65 SM	2	65	610	500	12	Metall Plastics	Driven Tools	21	0,07	Yes	5000 7000
CNC Turning with Counter Spindle	1	EMCO MaXXturn 65 SMY	3	65	610	500	12	Metall Plastics	Driven Tools C-, Y-Axis Line Controlled	21	0,07	Yes	5000 7000
CNC Turning Cycle Controlled	2	WEILER E80A	2	100	1000	500	unlimited	Metall Plastics		27	0,25	No	1500
CNC Turning Cycle Controlled	1	WEILER E80C	2	100	2000	800	unlimited	Metall Plastics		27	0,25	No	1500
CNC Turning Cycle Controlled	1	GILDEMEISTER NEF 520	2	70	1000	500	unlimited	Metall Plastics		12	0,25	No	3000

auftragsfertigung
für den Sondermaschinenbau

auftragsfertigung für den Sondermaschinenbau

Machining													
Technology	Total Number	Machine Designation	Axes	Machining Size [mm]			Number of Tensile Tools	Materials	Additional	Main-/ Counterspindle [kW]	Tool Change Time	Internal Cooling	Main-/ Counterspindle [U/min]
				X	Y	Z							
CNC Milling Universal	3	DECKEL MAHO DMU 70 eV	5	750	600	520	32	Metall Plastics		55	0,11	Yes	18000
CNC Milling Universal	1	DECKEL MAHO DMU 70 eV neu	5	750	600	520	60	Metall Plastics	B-Axis -5° to + 110° swivelable	25	0,11	Yes	18000
CNC Milling Universal	1	DECKEL MAHO DMC 70 eV	5	750	600	520	92	Metall Plastics	Double Table (Pallet Changer)	35	0,11	Yes	18000
CNC Milling Universal	2	DECKEL MAHO DMU 835 V	3	835	510	510	30	Metall Plastics		19	0,11	Yes	14000
CNC Milling Universal	1	DECKEL MAHO DMU 100	5	1000	900	700	60	Metall Plastics	B-Axis -5° to + 110° swivelable			Yes	14000
CNC Milling incl. Automation Universal	1	DECKEL MAHO DMU 60	5	600	500	500	120	Metall Plastics	B-Axis -5° to + 110° swivelable incl. LANG-Automation (max. 50 Workpieces)			Yes	14000
CNC Milling Universal	1	DMG Mori DMU 80 eVo	5	800	650	550	60	Metall Plastics	B-Axis -5° to + 110° swivelable			Yes	20000
High-Polish Milling Machine	1	MACRYL MAC 3,1		3100	120	—	1	Transparent Plastics				No	
CNC Controlled Overhead Template Router	1	MAKA SC 20 T	3	3000	1500	400	8	Plastics	Infeed 0,2 - max. 0,4mm	14,5	0,15	No	18000
CNC Controlled Overhead Template Router	1	MAKA KPF 334	5	1500	1200	650	10	Plastics	3D Machining 5-Axis-Synchronous-Milling	17	0,15	No	24000
CNC Controlled Engraving	1	GRAVOGRAPH IS 7000 XB		815	610	60	1	Plastics	In CAD/CAM integrated			No	

Machining

Technology	Total Number	Machine Designation	Axes	Machining Size [mm]			Number of Tensile Tools	Materials	Additional	Main-/ Counterspindle [kW]	Tool Change Time	Internal Cooling	Main-/ Counterspindle [U/min]
				X	Y	Z							
Band Saw	1	MEBA 407 A-OV		400	400				Automatic Material Feed bundle clamp attachment, Bar Length: max. 6000mm				
Band Saw	1	MEBA 355 A Eco		500	335	-			Automatic Material Feed bundle clamp attachment, Bar Length: max. 6000mm				
Band Saw	1	KASTO U Typ 600		300	260	260			max. Diameter 260mm For 45° max. Diameter 200mm				
Panel Saw	2	PANHANS EURO30 / EURO32		4000	3000	100							
Pipe Cutter	1	RIEXINGER		1000	1000				max. Diameter 1000mm Bar Length max. 6000mm				

Measuring Technology

Technology	Total Number	Machine Designation	Axes	Machining Size [mm]			Number of Tensile Tools	Materials	Additional	Main-/ Counterspindle [kW]	Tool Change Time	Internal Cooling	Main-/ Counterspindle [U/min]
				X	Y	Z							
3D CNC Measuring	1	WENZEL LH 65	4	650	750	500			CNC-Steering Mechanism for all Axis Temperature Compensation				
3D CNC Measuring	1	WENZEL LH108	3	1000	1600	800			3 Axis CNC Steering Mechanism incl. Temperature Compensation with Sensors Scanning Probe Head , CAD Interface				

Plastic Welding (to DVS2212)

Technology	Total Number	Machine Designation	Axes	Machining Size [mm]			Number of Tensile Tools	Materials	Additional	Main-/ Counterspindle [kW]	Tool Change Time	Internal Cooling	Main-/ Counterspindle [U/min]
				X	Y	Z							
Hot Gas-Welding				3000	2000	2000		PP, PVC, PE, PVDF, ECTFE, ETFE, PFA					
Butt-Welding				500	500	2000							
Extrusionwelding				3000	2000	2000							
Socket-Welding				1.000	1.000	260			Socket-Welding-Machine (custom-built)				

Number of Welders: 14

		PP	PE	PVC	PPs	PVDF	PFA	ECTFE	PS	PETG	PVC-FMET	CPVC
1	WE = Hot Gas-Extrusionwelding	X	X									
2	WF = Hot Gas-Welding by Hand			X					X	X	X	X
3	WZ = Hot Gas-Bead-Welding	X	X	X	X	X	X	X			X	X
4	HM = Heated Coil-Welding	X	X									
5	HS = Heating Element Butt-Welding	X	X			X						
6	HD = Heating Element Socket-Welding	X	X			X						

auftragsfertigung für den Sondermaschinenbau

Plastic Machining													
Technology	Total Number	Machine Designation	Axes	Machining Size [mm]			Number of Tensile Tools	Materials	Additional	Main-/ Counterspindle [KW]	Tool Change Time	Internal Cooling	Main-/ Counterspindle [U/min]
				X	Y	Z							
Forming				2000	1450	20 Material- stärke			Forming =Handwork with Template and glove-lining fabric Z = Material Thickness 20mm				
Bending Shannon HRPD				3000 Breite		20 Material- stärke			3000mm einseitig erwärmbar 2000mm beidseitig erwärmbar;				
Vacuumforming				Machining Size of the Vakkum press 2880 x 1280. The height is depending on the workpiece size!									
Tempering				2000 Height	2500 Depth	1450 Width		50-250 [°C]					