

List of machines  
as of: 10/2020

CAD / CAM		
Numbers	Machine	
26	Catia V4 / V5	
13	Tebis CAD/CAM	
2	Siemens NX	

CNC milling machines		
3-axis milling machines		
Numbers	Machine	Working Range (max.) X / Y / Z
1	Mazak VTC 300	1740x760x660
1	Mikron UME 900	900x710x500
1	Mikron WF 74 with additional high-speed control	900x630x500
1	Hermle C 40 V	850x700x500
1	Mikron HSM 800 high-speed processing centre	800x600x500
1	DMC 64V linear	640x600x500
1	Mikron UME 600 with tool changing system	600x500x450
1	Mikron UME 600 without tool changing system	600x500x450
1	Mikron WF 31 DE	560x500x400
1	Mazak VTC 430 Smart	560x430x510

CNC milling machines		
5-axis milling machines		
Numbers	Machine	Working Range (max.) X / Y / Z
1	Henri Liné Vertamil 229 Zoom Fidia M30	6000x2850x2100
1	Handtmann UBZ HP 300/200 T3 Fidia C20	4500x2600x1500
1	Handtmann UBZ NT 300/220 T Fidia M20	4000x2200x1150
1	FPT-Dino portal milling machine with automatic head-changing system	2300x2200x900
1	Handtmann HBZ TR160	ø 1600 x 1100
2	Hermle C60U	1200x1300x90
1	Hermle C52U	1100x1000x750
2	Mikron HPM 1000U Heidenhain ITNC 530	1000x800x600
1	DMU 100T Heidenhain ITNC530	900x630x500
1	Handtmann HBZ Trunnion 80	850x850x700
1	Hermle C42U	800x800x550
2	DMU 70 eVolution Heidenhain ITNC530	750x600x520

CNC lathe		
Numbers	Machine	Working Range (max.) X / Y / Z
1	Spinner TC300-52 with counter spindle, driven tools and real Y-axis	ø250 x 400

Eroding		
Numbers	Machine	Working Range (max.) X / Y / Z
1	Vertical erosion Exeron 305	1200x600x500
1	Wire erosion Mitsubishi FA20S Advance	500x350x450

Pressing		
Numbers	Machine	Working Range
1	Die-spotting press Reis 130-200 200 to.	1500x1250x1350

Injection Moulding		
Numbers	Machine	clamping force
1	Engel Duo 5550/900 2 K injection moulding	9000
1	Engel Duo 7050/900 with Handling	9000
1	Engel Duo 11050/900 with handling	9000
1	Engel Duo 3550H/650L/650 Combi + handling (2 K, rotary disk)	6500
1	Engel Victory 3660/400 tech with handling	4000
1	Engel Victory 3550/400 tech + handling	4000
1	Arburg Allrounder 570C 2000-675 with handling	2000
1	Kraus Maffei KM 200/750 CX + handling	2000
1	Engel Victory 500/120 tech with handling	1200
1	Engel Victory 650/120 rech with handling	1200
1	Arburg Allrounder 320-210-750	750
1	Arburg A170-90-200	200

Vibration Welding		
Numbers	Machine	Working Range
1	Branson 2870 vibration welding equipment, weight of upper tool: 100 kg	600x1505
1	KLN LVW 2032 -H-CPC vibration welding equipment	
1	Ultrasonic MS SoniTOP Genesis	
1	Leak test equipment with immersion bath	

Quality Assurance		
Numbers	Machine	Working Range
1	LK HC 90 CNC pillar measuring machine MPE <sub>E</sub> =4,8 + L/350	6300x1600x2000
1	Wenzel CNC pillar coordinate measuring machine	12000x3200x2400
3	Wenzel NC pillar coordinate measuring machine	12000x3200x2400
1	Wenzel CNC pillar measuring machine with granite measuring plate	3500x1200x1800
1	Wenzel portal measuring machine MPE <sub>E</sub> =2,9 + L/350	2500x1500x1200
1	Romer Infinite 5024	arm length 1200