



## Machine list

<b>High precision technique / jig-boring</b>					
<b>Manufacturer:</b>	<b>Type:</b>	<b>Quantity:</b>	<b>Table size:</b>	<b>Pallet changer:</b>	<b>Tool magazine:</b>
YASDA	YBM 850 V	1	600 x 500	2	60
YASDA	YBM 80N-63	1	630 x 630	2	50
YASDA	YBM 7T-63	1	630 x 630	2	120
YASDA	YBM 900N-80	1	800 x 800	2	120
YASDA	YBM 10T	2	1000 x 1000	2	180
YASDA	YBM 120N-150	1	1500 x 1500	5	240
<b>Horizontal machining centres</b>					
<b>Manufacturer:</b>	<b>Type:</b>	<b>Quantity:</b>	<b>Table size:</b>	<b>Pallet changer:</b>	<b>Tool magazine:</b>
MAZAK	H 500/50N	4	500 x 500	2	80/40
MAZAK	FH 4000	1	400 x 400	2	40
MAZAK	FH 4000	2	400 x 400	2	80/40/60
MAZAK	FH 6000	3	500 x 500	2	40/80
MAZAK	FH 6800	1	630 x 630	2	80
MAZAK	FH 880	1	800 x 800	2	80
MAZAK	PFH 5800	1	500 x 500	2	80
MAZAK	HCN 5000	8	500 x 500	2	40/80
MAZAK	HCN 6000	3	500 x 500	2	60/80/80
MAZAK	HCN 6800 II	5	630 x 630	2	120
DMG	DMC 60H/linear	2	500 x 500	2	60
<b>Multi tasking machines</b>					
<b>Manufacturer:</b>	<b>Type:</b>	<b>Quantity:</b>	<b>Table size:</b>	<b>Pallet changer:</b>	<b>Tool magazine:</b>
MAZAK	VARIAXIS 500	1	400 x 400	2	40
MAZAK	VARIAXIS 630-5X II	3	500 x 500	2	40
MAZAK	VRX 730-5X II	1	500 x 500	2	80
<b>Vertical machining centres</b>					
<b>Manufacturer:</b>	<b>Type:</b>	<b>Quantity:</b>	<b>Table size:</b>	<b>Changing centres</b>	<b>Tool magazine:</b>
REIDEN	BFR24	1	3925 x 1000	-	120
MAZAK	V 15N	1	1240 x 600	2	30
MAZAK	V 550	1	1740 x 550	ohne	30
MAZAK	FJV 25	1	1200 x 550	1/2	21
MAZAK	FJV 250	1	1200 x 550	2	30
MAZAK	VTC 200	1	1200 x 550	2-Seiten-Bearbeitung	30
MAZAK	VTC 300C II	1	2000 x 760	ohne	48
MAZAK	VTC 300C II	1	2000 x 760	2-Seiten-Bearbeitung	48
FANUC	D21LiA5	2	700 x 400	-	21

<b>Multiple spindle CNC technique with robotor interface</b>				
<b>Manufacturer:</b>	<b>Type:</b>	<b>Quantity:</b>	<b>Table size:</b>	<b>Tool magazine:</b>
SAMAG	MFZ 1	1	2 Balken	24
SAMAG	MFZ 2/2	1	2 x 2 Drehtische	50
<b>CNC turning machines</b>				
<b>Manufacturer:</b>	<b>Type:</b>	<b>Quantity:</b>	<b>Cutting diameter x turning length</b>	<b>Tool magazine:</b>
MAZAK	QTN-200M	2	Ø 250 x 500	12
MAZAK	QTN-200-IIM	1	Ø 250 x 500	12
MAZAK	SQT 18M	1	Ø 250 x 500	12
MAZAK	SQT 250	2	Ø 250 x 500	12
MAZAK	QT 28N	1	Ø 250 x 1000	16
<b>CNC turning and milling centres</b>				
<b>Manufacturer:</b>	<b>Type:</b>	<b>Quantity:</b>	<b>Cutting diameter x turning length</b>	<b>Tool magazine:</b>
MAZAK	Integrex 200-IIIS	1	Ø 250 x 1000	40
MAZAK	Integrex 300-IV	1	Ø 320 x 1500	40
MAZAK	Integrex i400S	2	Ø 380 x 1500	40
MAZAK	Integrex E 500H2	2	Ø 500 x 1000	80
DMG	CTX Gamma 2000 TC	1	Ø 350 x 2000	34
VOEST	M-30	1	Ø 300 x 1050	48
MAZAK	HQ 150	1	Ø 242 x 2	2 x 12
<b>Conventional lead screw and drawing spindle</b>				
<b>Manufacturer:</b>	<b>Type:</b>	<b>Quantity:</b>	<b>Cutting diameter x turning length</b>	<b>Tool magazine:</b>
	Tuß 600	1	Ø 600 x 1000	1
	Tuß 400	1	Ø 440 x 1000	1
Heinkel	TUM 35D1	1	Ø 300 x 1000	1
<b>Conventional milling machines</b>				
<b>Manufacturer:</b>	<b>Type:</b>	<b>Quantity:</b>		
Heckert	FU 315	1		
Heckert	FSS 400	1		
WMW	VRB 2241	1		
<b>Table and stand drilling machines</b>				
<b>Designation:</b>				
Radialbohrmaschine BR 40		1		
Ständerbohrmaschine BS 25		1		
Tischbohrmaschine BT2 / BT10		2		
Geyer Bohr- und Fräßmaschine		2		
<b>High precision grinding machine</b>				
<b>Manufacturer:</b>	<b>Type:</b>	<b>Quantity:</b>	<b>Table size:</b>	
Geibel & Hotz	FS 840 SA	1	800 x 400	
Wolters	Microline AC 700 F	1	/	
<b>Band saw</b>				
<b>Manufacturer:</b>	<b>Type:</b>	<b>Quantity:</b>		
Bauer	HS 260 ZA	1		

Bauer	SA 320 ZA	1			
<b>Honing machine</b>					
<b>Manufacturer:</b>	<b>Type:</b>	<b>Quantity:</b>	<b>Table size:</b>	<b>Pallet changer:</b>	<b>Tool magazine:</b>
Gehring	Z-NC 400-125	1	Sonderanfertigung	ja	1
<b>Hydraulic press with force fitting control</b>					
<b>Manufacturer:</b>	<b>Type:</b>	<b>Quantity:</b>			
Raster	PYTE 3,15 - 355mm	2			
JANOME	Elektro Press JP-S	1	Kraft-Weg-Überw.		
<b>Force fitting with data collection</b>					
<b>Manufacturer:</b>	<b>Type:</b>	<b>Quantity:</b>			
Wilhelm	PCU 500	1			
<b>Micromat jig boring</b>					
<b>Manufacturer:</b>	<b>Type:</b>	<b>Quantity:</b>	<b>Table size:</b>	<b>Pallet changer:</b>	<b>Tool magazine:</b>
Micromat	BKOE 630 x 1000	1	630 x 1000	/	1
Micromat	BKOZ 900 x 1400	1	900 x 1400	/	1
<b>Laser Marking</b>					
<b>Manufacturer:</b>	<b>Type:</b>	<b>Quantity:</b>			
Acsys	Piranha cut	1			
<b>Automatic washing machine with cage</b>					
<b>Manufacturer:</b>	<b>Type:</b>	<b>Quantity:</b>	<b>Cage size:</b>		
Dürr	Universal 71W	1	650 x 470 x 300		
Dürr	Universal 81C	1	carbon hydride systems		
<b>Robotertechnique</b>					
<b>Manufacturer:</b>	<b>Type:</b>	<b>Quantity:</b>	<b>Load:</b>		
FANUC	M6iB	1	max. 6 kg		
FANUC	M16iB20	1	max. 10 kg		
FANUC	M16iB	1	max. 10 kg		
FANUC	M10iA	2	max. 10 kg		
FANUC	M 710i C	1	max. 50 kg		
<b>Ultrasonic cleaning</b>					
<b>Manufacturer:</b>	<b>Type:</b>	<b>Quantity:</b>	<b>Tank size:</b>		
Bandelin	MB 210 B	1	700 x 610 x 380		
Bandelin	(3 Bächer)	1			
<b>Electro chemical machining (ECM) – burring</b>					
<b>Manufacturer:</b>	<b>Type:</b>	<b>Quantity:</b>	<b>Workspace:</b>		
Extrude Hone	EH 21112/450	1	ca. 1000 x 800 x 500		
Kennametal	ECLINE M872	1	1200 x 1000 x 600		
<b>Leak testing</b>					
<b>Manufacturer:</b>	<b>Type:</b>	<b>Quantity:</b>	<b>Workspace:</b>	<b>Inspection pressure:</b>	

ATEQ	F 520	3	ca. 640 x 440 x 470	von 3,5 - 12 bar	
ZPM	Hub- Tauchbecken	1	ca. 800 x 500 x 530	bis 10bar	
<b>Additional equipment</b>					
<b>Tool setting machine</b>					
<b>Manufacturer:</b>	<b>Type:</b>	<b>Quantity:</b>			
ZOLLER	saturn cero	1			
MAPAL	MN 530	1			
KELCH	V 320 EA6 logo	1			
DMG	ECO 210	1			
<b>Tool shrinking machine</b>					
<b>Manufacturer:</b>	<b>Type:</b>	<b>Quantity:</b>			
HAIMER	POWER-CLAMP	1			
<b>Programming units for CNC machines</b>					
<b>Manufacturer:</b>	<b>Workstation:</b>				
COSCOM	3				
MAZAK	1				
<b>Additional special technique</b>					
RESCH measuring / testing / packing machine					