

Machine pool excerpt

Engineering

Precision parts

Machine components

Assemblies

Heat treatment



» Best prospects for your products

		Type of machine	Qty
Turning		For example	
Multi-spindle machines	cam Ø 4 - 67 mm	Tornos Gildemeister Schütte Index	> 140
	CNC Ø 6 - 42 mm	Tornos Gildemeister Index Schütte	> 90
Single-spindle machines	bar stock Ø 5 - 80 mm	Tornos Index Traub Gildemeister Nakamura	> 40
	chuck Ø to 500 mm	Gildemeister Index Emag	> 30
Rotary indexing			
Mechanic-Hydraulic	bar stock Ø 5 - 50 mm	Hydromat Mikron	> 62
CNC indexing	chuck Ø 5 - 100 mm	Bergomat Technika	> 20
Milling			
CNC milling machine	4 to 5 axle cubic machining work room 650 x 500 x 650 mm	Heckert DMG	6
CNC milling & turning centers	FD technology Ø 1.800 mm x 1.000 mm cubic machining 1.800 x 1.500 x 1.000 mm	DMG	3
Deburring			
	sand / bead blasting, vibratory grinding, TEM, high-pressure water jet deburring, ECM, brushing	various	> 50
Heat treatment			
Atmospheric technology – oil	carburizing, case hardening, carbonitriding, tempering, annealing, sub-zero cooling	Ipsen	6
Vacuum technology - N2	low-pressure carburizing, tempering, annealing, short-term gas-nitriding, sub-zero cooling	Ipsen	4

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Surface finishing		For example	
Grinding	centerless through-feed and infeed grinding, cylindrical surface grinding, internal circular grinding, synchronous grinding, dual-face grinding, deep grinding, thread grinding (internal & external)	Voumard Mikrosa Studer Kellenberger Brand Modler Buderus Kehren Reishauer	> 120
Honing	bore honing, double-face honing	Kadia Sunnen Wolters Stähli	> 15
Turning	hard-turning, fine-turning, also incl. grinding	Kummer Emag Hembrug	> 50
Hard-whirling	external and internal	Leistritz	5
Lapping and finishing	surface finishing, surface lapping	Thielenhaus Stähli	5

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