

## Machine Facility Wandfluh Produktions AG

### CNC-Lathes

1	Dual carriage automatic lathe "TRAUB"	TNC 65DGY	WORK $\varnothing$ min (mm) = 25 BAR STOCK $\varnothing$ max (mm) = 63 SPECIAL: 2 programmable C-Axis, Y-Axis Up to 2 x 10 driven tools
1	Automatic shaft lathe "TRAUB"	TNL 26	WORK - $\varnothing$ min (mm) = 10 WORK - $\varnothing$ max (mm) = 32 WORK - Length (mm) = 500 mm SPINDLE CAPACITY $\varnothing$ (mm) = 32 SPECIAL: Programmable in 13 axis
1	Dual turret automatic shaft lathe "STAR"	KNC-32/II	WORK - $\varnothing$ min (mm) = 10 WORK - $\varnothing$ max (mm) = 32 WORK - Length (mm) = depending on the application up to approx. 800 mm SPINDLE CAPACITY? $\varnothing$ (mm) = 32 SPECIAL: Programmable in six axis Up to 10 driven tools Y-Axis
1	Automatic shaft lathe "STAR"	SR-32	WORK - $\varnothing$ min (mm) = 8 WORK - $\varnothing$ max (mm) = 32 WORK - Length (mm) = up to 600 mm SPINDLE CAPACITY $\varnothing$ (mm) = 32 SPECIAL: Programmable B-Axis Spindle Capacity $\varnothing$ 32 Transverse movement in 0.02 to Symmetry Up to 4 driven tools
2	Automatic shaft lathe "STAR"	SR-16	WORK - $\varnothing$ min (mm) = 4 WORK - $\varnothing$ max (mm) = 16 WORK - length (mm) = depending SPINDLE CAPACITY $\varnothing$ (mm) = 16 SPECIAL: Programmable B-Axis Spindle capacity $\varnothing$ 16 Transverse movement in 0.02 to symmetry Up to 3 driven tools
1	Automatic shaft lathe "STAR"	RNC-16B	WORK - $\varnothing$ min (mm) = 4 WORK - $\varnothing$ max (mm) = 16 WORK - Length (mm) = depending SPINDLE CAPACITY $\varnothing$ (mm) = 16 SPECIAL: B-Axis, Spindle capacity $\varnothing$ 16 1 driven tool
1	Automatic shaft lathe "STAR"	ECAS 20	WORK - $\varnothing$ min (mm) = 4 WORK - $\varnothing$ max (mm) = 20 WORK - Length (mm) = 350 3 revolvers with Y-Axis
1	Automatic Lathe "MORI SEIKI"	SL 25 MC/1000	WORK - $\varnothing$ min (mm) = 30 BAR STOCK- $\varnothing$ max (mm) = 63 (Chuck 240) WORK - Length (mm) = 1000 SPECIAL: Programmable C-Axis Up to 6 drivenTools
1	Automatic Lathe "MORI SEIKI"	SL-250 ASMC/100	WORK - $\varnothing$ min (mm) = 30 BAR STOCK - $\varnothing$ max (mm) = 63 (Chuck 240) WORK - Length (mm) = 324 SPECIAL: Programmable C-Axis Up to 12 driven tools
1	Automatic Lathe "MORI SEIKI"	SL 150 MC	BAR STOCK - $\varnothing$ max. (mm) = 42 (Chuck 180) WORK $\varnothing$ min. (mm) = 10 Length (mm) = 500 SPECIAL: Programmable C-Axis

		Up to 12 drivenTools	
1	Automatic Lathe „MORI SEIKI“	ZT 1000 Y	CONTROL AXIS = 7 WORK TURRET = 2 WORK Ø max. (mm) = 240 Length (mm) = 500 SPECIAL: Programmable C-Axis Up to 32 driven tools Y-Axis movement +/- 40 mm
2	Automatic Lathe "MORI SEIKI"	ZT 1500 YB	Control-Axis = 7 Work turret = 2 WORK Ø max. (mm) = 240 Length (mm) = 700 SPECIAL: Programmable C-Axis Up to 16 drivenTools Y-Axis movement +/- 40 mm Portalloader with max. 10 kg/workpiece
1	Automatic Lathe "MORI SEIKI"	NZ 1500Y2T2	Control-Axis = 8 Work turret = 2 WORK Ø max. (mm) = 240 Length (mm) = 700 SPECIAL: Programmable C-Axis Up to 16 drivenTools Y-Axis movement +/-65mm, +/-45 mm Portalloader with max. 10 kg/workpiece
1	Automatic Lathe "Okuma"	LT 10-MY	Control-Axis = 7 Work turret = 2 WORK Ø max. (mm) = 210 Length (mm) = 700 SPECIAL: Programmable C-Axis Up to 12 driven Tools Y-Axis movement +50/30 mm Portalloader with max. 3 kg/workpiece
1	Automatic Lathe "Schaublin "	140 CNC	WORK Ø max. (mm) = 250 Ø min. (mm) = 10 Length (mm) = 280 Spindle capacity Ø 42 SPECIAL: Programmable C-Axis Up to 12 drivenTools
1	Linear Automatic Lathe	Yang SML-12	WORK Ø min. (mm) = 6 Ø max (mm) = 330 Length (mm) = 150 SPECIAL: Linear drive

## CONVENTIONAL PROCESSING MACHINES

LATHE:	SCHÄUBLIN MAS Masturn 32 Cyclic Lathe Work $\varnothing$ max. = 200 mm
DRILL:	SINGLE AND MULTI SPINDLE DRILL, THREAD CUTTING MACHINE

## CNC-DRILLING AND MACHING CENTER

1	Machining Center "MORI SEIKI"	MH 40	Horizontal RANGE (mm) x = 560 RANGE (mm) y = 500 RANGE (mm) z = 510 Up to 64 Tools
1	Machining Center "MORI SEIKI"	MH 40	Horizontal RANGE (mm) x = 560 RANGE (mm) y = 500 RANGE (mm) z = 510 120 Tools and Multi Pallets 8 Pallets
1	Machining Center "KITAMURA"	HX300	Horizontal RANGE (mm) x = 510 RANGE (mm) y = 510 RANGE (mm) z = 400 Up to 40 Tools
1	Machining Center "MORI SEIKI"	SV500 B/40	Vertical RANGE (mm) x = 1000 RANGE (mm) y = 510 RANGE (mm) z = 510 Up to 30 Tools
1	Machining Center	Fehlmann Picomx 82 M	Vertical RANGE (mm) x = 685 RANGE (mm) y = 315 RANGE (mm) z = 540 Up to 32 Tools SPECIAL: Programmable 4. + 5. Axis
1	Machining Center "Micron"	UCP600 Vario	Vertical RANGE (mm) x = 650 RANGE (mm) y = 450 RANGE (mm) z = 450 Up to 170 Tools SPECIAL: Programmable 4. + 5. Axis B-Axis : -115+ 30° C-Axis: n*360°
1	Machining Center „Mori Seiki“	NMV 5000 DCG	Vertical RANGE (mm) x = 730 RANGE (mm) y = 510 RANGE (mm) z = 510 Up to 330 tools and 40 Multi Pallets SPECIAL: Programmable 4. + 5. Axis Spindle speed up to 12'000 min./1 B-Axis : 340° C-Axis: 360°

1 Milling Machine "MAHO" MH 600 T

CNC-UNIVERSAL MILLING MACHINE AND DRILL

RANGE (mm) x = 600  
 RANGE (mm) y = 400  
 RANGE (mm) z = 400

### GRINDERS

1 Cylindrical Grinder "STUDER" S-20

CONV. CYLINDRICAL GRINDER

WORK - Ø min (mm) = 2  
 WORK - Ø max (mm) = 120  
 WORK - Length (mm) = 300

1 Surface Grinding Machine "ZIERSCH"

NC-SURFACE GRINDING MACHINE

RANGE (mm) x = 650  
 RANGE (mm) y = 350

### DEBURRING MACHINES

1 Trowal abrasive-finishing

1 Sand abrasive-finishing Rösler, ST 1000 PSM

### CONVENTIONAL RIVETING PRESSES

VARIOUS CONVENTIONAL RIVETING PRESSES (up to 16 t)

### WASHING UNIT

1 Washing Unit "Dürr Compact" 80C

SEMI-AUTOMATIC

BASKET SIZE (mm) L = 448  
 BASKET SIZE (mm) W = 228  
 BASKET SIZE (mm) H = 160

1 Multi-chamber cleaning unit KKS-H3-40-1101

ULTRASONIC CLEANING UNIT WITH HOT OR DRYING SYSTEM

BASKET SIZE (mm) L = 350  
 BASKET SIZE (mm) W = 250  
 BASKET SIZE (mm) H = 250

Medium: alkaline/aqueous  
 Dual frequency 27/80 kHz

### MEASURING DEVICES AND INSTRUMENTS

1 3-D-Coordinate Measuring Device "Mitutoyo " Premier 7106

CNC-CONTROL

Measuring range - Length (mm) = 1000  
 Measuring range - Width (mm) = 700  
 Measuring range - Height (mm) = 600  
 Accuracy (µ) = 5  
 LOAD (kg) = 100

1 Surface Finish Measuring Device "HOMMEL" T2000+

READINGS IN: Ra, Rz--DIN, Rt, Rz-ISO, Rpm, Rp, Wt, Pt, etc.

1 Roundness Measuring Device "Mitutoyo RA 114" WORK - Ø max (mm) = 200  
 LOAD max (kg) = 20

1 Length Measuring Device "SIP"

MEASURE-Length (mm) = 850  
Accuracy (μ) = 1

1 Databuter "INTECHNIK AG"

MEASUREMENT DATA Acquisition and Evaluation Device

1 Contour Measuring System "Conturo Matic T1"

VARIOUS HEIGHT MEASURING DEVICE "SUMESS"

Height (mm) = 500  
Accuracy (mm) = 0.01

VARIOUS ELECTRONIC MEASURING DEVICES "TESA"

Accuracy (μ) = 2  
SPECIAL: Can be utilized with other Measuring instruments