

Efficient, precise and fast

MAIER

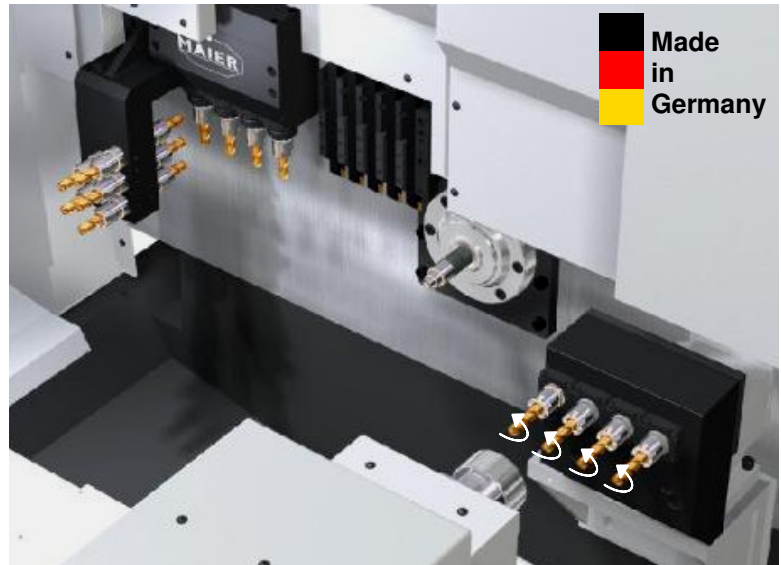
USA

SWISS TURNING

Robust
Flexible
Innovative

Standard Machine Features:

- Hybrid Swiss with Removable Guide Bushing
- 32mm Bar Capacity, 38mm w/o Guide Bushing
- Simultaneous 7-Axis
- 7.5 HP Integrated Main Spindle (10 HP Peak)
- 7.5 HP Integrated Sub Spindle (10 HP Peak)
- 23 Tool Stations (28 Optional)
- 8 Live Tools ER20 (4 Main, 4 Sub Spindle)
- Live Tool Power Rating 2.2 HP
- FANUC 30i-TA Control with MAIER Motion
- FANUC HD-Alpha Series Drives and Motors
- 1,260 ipm Rapids, .75G Acceleration/Deccel.
- C-Axis Main & Sub Spindle
- Independent Synchronized Sub-Spindle



model: MLK 32/38 - Hybrid Swiss

"Swiss Type or Collet Chuck Lathe"

Can run with or with out a GUIDE BUSHING



Additional Features:

- No Wait Code Programming Required
- Synchronized Revolving Guide Bushing
- Centralized Auto. Lubrication System
- Adjustable Hydraulic Collet Chucks
- Sub-Spindle Ejection Pin and Air Blow
- 3-axis Simultaneous Circular Interpolation
- Simultaneous Machining on Front & Back
- Rigid 8,000lbs+ Construction
- Granite Polymer Base Casting
- Complex Machining Capability
- Roomy Design Allows for Quick Set-Ups

*Call your distributor
for our
unbeatable price!*

Machine Specifications and competitive comparison:

	<u>MAIER MLK-32/38 Hybrid:</u>	<u>STAR SR32J:</u>	<u>Citizen A32VII:</u>	<u>Tsugami BS32C-V:</u>
<u>Machine Control:</u>	Fanuc 30i-TA-Alpha Series Maier Motion Control:No Wait and Call Codes Needed	Fanuc 18i-TB	Citizen/Fanuc	Fanuc 18i-TB
Control Features:	All Options Turned ON	Additional Options Avail.	Additional Options Avail.	Additional Options Avail.
<u>Main Spindle:</u>				
Spindle Motor:	7.5HP (10 HP Peak)	7.5HP (10 HP Peak)	7.5HP (10 HP Peak)	5HP (7.5 HP Peak)
Maximum RPM:	6,000 RPM	7,000 RPM	8,000 RPM	7,000 RPM
Max. Dia. w/Guide Bushing:	32mm (1.250") w/GB	32mm (1.250")	32mm (1.250")	32mm (1.250")
Max Dia w/o Guide Bushing	38.5mm (1.500") w/o GB	N/A	N/A	N/A
C-Axis - Indexing	FULL C-Axis (.001*)	15* Degree (C-Optional)	1* Degree	C-Axis
Z-axis Stroke:	10.600"	11.003"	12.5"	9.800"
Rapid Travel Speed:	1,260 ipm, 32m/min	945 ipm, 24m/min	1,260 ipm/1680ipm	787 ipm, 20m/min
Axis Motor Acceleration/Deccel:	.75G (Fanuc Alpha Series)	Std. Series not rated	Std. Series not rated	Std. Series not rated
Minimum input unit:	50 millionths (0.00005")	50 millionths (0.00005")	50 millionths (0.00005")	50 millionths (0.00005")
No. of OD Turning Tools:	5 OD Tools	6 OD Tools	6 OD Tools	6 OD Tools
No. of ID Tool Holders:	5 ID Tools	4 ID Tools	4 ID Tools	3 ID Tools
Stationary Drilling Capacity:	13mm	13mm	12mm	12mm
Stationary Tapping Capacity:	M12 Tap	M12 Tap	M12 Tap	M8 Tap
OD Turning Tool size	12mm (Opt. 16mm)	12mm (Opt. 16mm)	16mm	12mm (Opt. 16mm)
Total Number of Mounted Tools:	28 Tools	27 Tools	23 Tools	20 Tools
# of Controlled Axis:	7-Axis (Standard)	5-Axis (7-Optional)	5-Axis	7-Axis
<u>Main Spindle Live Tooling:</u>				
Cross Radial live tools:	4 Cross slide live tools	4 Cross slide live tools	4 Cross slide live tools	4 Cross slide live tools
Front Axial live tools:	3 Axial Live (Optional)	3 Axial Live (Optional)	N/A	2 Axial Live
Live tool collet size:	ER-20 Collet	ER16 Collet	ER16 Collet	ER16 Collet
Live tools RPM	8,000 rpm (Opt. 16k+)	5,000 rpm	4,000 rpm	5,000 rpm
Power Rating in HP:	2.2HP	1.34HP	1.34HP	1.2HP
Max. Drilling Capacity:	13mm	8mm	10mm	8mm
Max. Tapping Capacity:	M12 Tap	M6 Tap	M8 Tap	M6 Tap
Max. Milling Capacity:	13mm	10mm	10mm	8mm
<u>Sub Spindle:</u>				
Sub spindle Motor:	7.5HP (10 HP Peak)	3HP (5HP Peak)	3HP (5HP Peak)	3HP (5HP Peak)
Maximum Bar Diameter:	32mm	32mm	32mm	32mm
Sub spindle RPM	8,000 rpm	7,000 rpm	8,000 rpm	4,000 rpm
C-Axis	C-Axis Standard (.001*)	15 Degree (C-Optional)	1* Degree	C-Axis
X & Z axis Rapid Travel:	1,260 ipr	945 ipr	1,260 ipr	787 ipr
Air Blow-off nozzle:	Included	Included	Included	Included
Finished Parts Ejector:	Included	Optional	Optional	Included
Back End Drilling Tools:	5 End Working Stationary	4 End Working Stationary	4 End Working Stationary	3 End Working Stationary
<u>*Sub-spindle Live Tooling:</u>				
End working live position:	4 Axial Live (7 Optional)	(Optional 3 Axial Live)	N/A	2 Axial Live
Live tool collet size:	ER-20 Collet	ER16 Collet	N/A	ER16 Collet
Live tools RPM:	8,000 rpm (Opt. 16k+)	5,000 rpm	N/A	5,000 rpm
Power Rating in HP:	2.2HP	1.34HP	N/A	1.34HP
Max. Drilling Capacity:	13mm	8mm	N/A	6mm
Max. Tapping Capacity:	M12	M6 Tap	N/A	M5 Tap
Max. Milling Capacity:	13mm	10mm	N/A	6mm
<u>Machine Dimensions:</u>				
Length:	100"	106"	99.5"	85"
Width:	59"	51"	48.5"	57"
Net Weight:	9,000 lbs	6,800 lbs	6100 lbs	6160 lbs

*MAIER machine specifications and design features are subject to change without notice. All competitive machine specifications have been taken from the builder literature and are also subject to change without notice



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