



8-Axis CNC Swiss Machine with 2" Bar Capacity

- + 2" Bar Capacity with 6,000 RPM Spindle
- + Full "C" Axis on Main Spindle and Sub Spindle
- + Full "Y" Axis on Main Spindle and Sub Spindle
- + 33 Total Tool Positions with 13 Live Tools
- + Simultaneous Main and Sub-Spindle Machining
- + Parts Catcher and Chip Conveyor Standard



Main Spindle

Maximum RPM / spindle bearing	6,000 RPM
Spindle Motor	10-HP (7.5kw)
Collet Nose / Spindle Bore	Traub A-52 / 52mm (uses TRB-52 collet)
Maximum Barstock Diameter	2" (51mm)
Maximum Cut Length	4.33" (110mm)
Remnant Length – with guide bushing / without	2.13" / 7.64" (54mm / 194mm) Spindle Center
Center Height	43.3" (1100mm)

Sub-Spindle

Sub spindle RPM / spindle bearing	6,000 RPM / 4-bearing Quad-Duplex pair configuration
Spindle Motor	6-HP (4.4kw)
Collet Nose / Spindle Bore	Traub A-42 / 43mm (uses TRB-42 collet)
External Air Blast nozzle	Included for both main & subspindle
Finished Parts Ejector & air blast	Included for subspindle

Axis Specifications

X ¹ -axis Travel	8.66" (220mm)
Y ¹ -axis Travel (true Y-axis, not compound Y)	24.41" (620mm)
Z ¹ -axis Travel	16.0" (406mm)
Travel	14.9" (380mm)
Y ² -axis Travel (true Y-axis, not compound Y)	5.11" (130mm)
Z ² -axis Travel	18.1" (460mm) Rapid
Traverse Rate – X ¹ , X ² , Y ¹ , Z ¹ , Z ²	1,181 IPM (30 m/min) Rapid
Travers Rate – Y ²	196 IPM (5 m/min)
Axis Drive Servo Horsepower: X ¹ /Y ¹ /Z ¹	1-3/4 / 1-3/4 / 1-1/8HP (1.3kw / 1.3kw / .85kw) Axis
Drive Servo Horsepower: X ² /Y ² /Z ²	1-1/8 / 1.0 / 1-1/8HP (.85kw / .75kw / .85kw)
Minimum input unit	0.0001" (0.001mm = 40 millionths inch)

Tooling

Main 33-Tool Positions Standard	5-ER-20 cross slide live tools, 6,000 rpm, 2.0 HP (1.5kw)
Main Spindle Cross slide radial live tools	3-ER-20 front slide live tools, 6,000 rpm, 1.0 HP (0.75kw)
Main Spindle Front slide axial live tools	6 (5x 5/8" + 1x 3/4") (5x16mm) + (1x20mm)
Spindle OD Turning Tool Positions	5 ID Tool Bores (25mm)
Main Spindle ID Turning Tool Positions	5 ID Tool Bores (25mm) (back of main tool bores)
Subspindle ID Turning Tool Positions	4 ID Tool Bores (static holders in subspindle tool block)
Turning Tool Positions	8-ER-20 (can add 4 more) 6,000 rpm, 4.0 HP (3kw)
Subspindle Back slide axial live tools	(1 radial live tool can be substituted on subspindle tool block)

Machine Dimensions

Machine Length	113" add 31" for chip conveyor
Machine Depth	71" (1803mm)
Machine Height	78" (1977mm)
Machine Weight	13,880lbs (6,300kgs)
Coolant Pump	Dual 50psi 1-HP Coolant Pumps for main and subspindle
Coolant Tank Capacity	63-gallon coolant tank, with coolant flow confirmation sensor
Lubrication distribution	Way lube distributed at 3-6 cc / 15 minute cycle
Hydraulic System	power / capacity 1-HP / 12-gallons (0.75kw / 46L)
Machine Power Requirements	220vac ±5%, 35kva, 3-phase, 92 amps, 60Hz
Air Requirements	85-PSI at 10-CFM for parts catcher, parts ejector, & air blast