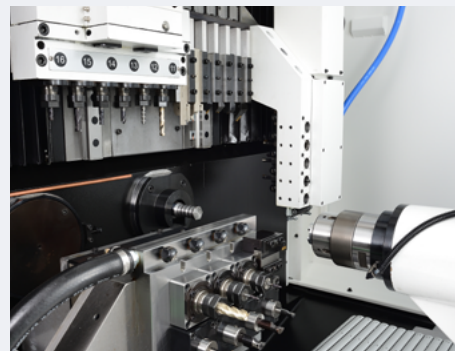


## 8-Axis CNC Swiss Machine with 2" Bar Capacity

- + 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 <sup>1</sup> -axis Travel	8.66" (220mm)
Y <sup>1</sup> -axis Travel (true Y-axis, not compound Y)	24.41" (620mm)
Z <sup>1</sup> -axis Travel	18.1" (460mm) X <sup>2</sup> -axis
Travel	14.9" (380mm)
Y <sup>2</sup> -axis Travel (true Y-axis, not compound Y)	5.11" (130mm)
Z <sup>2</sup> -axis Travel	18.1" (460mm) Rapid
Traverse Rate – X <sup>1</sup> , X <sup>2</sup> , Y <sup>1</sup> , Z <sup>1</sup> , Z <sup>2</sup>	1,181 IPM (30 m/min) Rapid
Travers Rate – Y <sup>2</sup>	196 IPM (5 m/min)
Axis Drive Servo Horsepower: X <sup>1</sup> /Y <sup>1</sup> /Z <sup>1</sup>	1-3/4 / 1-3/4 / 1-1/8HP (1.3kw / 1.3kw / .85kw) Axis
Drive Servo Horsepower: X <sup>2</sup> /Y <sup>2</sup> /Z <sup>2</sup>	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