



## 8-Axis Mill/Turn Lathe with Twin 16-Tool Turrets

- + 78mm 3" Bar Capacity
- + Twin 4,000 RPM Opposed Spindles
- + Glass Scale Feedback on X1 & X2 Axes
- + 32-Driven Tool Positions each station can mount multiple tools
- + "Y" Axis with 3.936" Travel
- + Simultaneous Main & Sub-Spindle Machining
- + Full "C" Axis on Main and Sub-Spindle



**Capacity**

Turning Diameter	7.48" (190 mm) maximum, 6.7" (170mm) standard
Turning Length/Center Distance	15.75" (400mm) / 36.22" (920mm) between centers

**Main Spindle / Sub-Spindle**

Spindle nose / Bearing Diameter	A2-6
Spindle Bar Capacity	3.08
Chuck Size (Optional)	8" with 68mm bore
Spindle Center Height	46.45" (1,180mm)
Maximum Spindle Speed	60-4,000 RPM (Integral Spindle)
Spindle Motor Horsepower	30-HP peak, 20-HP (30-minute duty rating)
Sub Spindle motor horsepower	20-HP peak, 15-HP (30-minute duty rating)

**Live Tool Turrets**

Number of Turret Stations	32 (Any combination of 32 ID, OD or Live tool stations)
Index Time (Adjacent Tool / 180° index)	0.2 seconds / 1.2 seconds High-Speed Servo Indexing
Live Power Tool/RPM	7-HP / 6,000 rpm, 14.75 ft. lbs. torque (20Nm)
Tool Size/Collet Size	25mm (for square tool and round tool) / ER-32
Tool Holder Type & Size	BMT-65 Base Mount Tooling

**Y, C, & B-Axis**

Y-Axis Travel	3.93" of Travel - ±1.968" off of Centerline (±50mm)
Y-Axis Rapid Feed Rate	236 Inch Per Minute (6m per minute)

C-Axis Spindle Radial Resolution	360,000 Radial Positions with Full Contouring Capability
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B-Axis Distance Between Spindles	36" (914mm)
B-Axis Rapid Traverse Rate	1,573 Inch Per Minute (40m per Minute)
B-Axis Travel	25.59" (650mm)

**Axis Specifications**

Axis Travel – X1, X2 - Axis	X1 5.9" (150mm), X2 9.05" (230 mm) with Glass Scale Feedback
Axis Travel – Z1, Z2 - Axis	Z1 17.32" (440mm), Z2 17.32" (440mm)
Rapid Travers Rate – X1, X2 -Axis	630 ipm (16 m/minute)
Rapid Travers Rate – Z1, Z2 - Axis	1,573 ipm (40 m/minute)
Minimum Programmable Input	0.0001" (0.001mm = 40 millionths of an inch)

**Fluid Capacity**

Hydraulic System	10.5 gallons (40 Liters) with 3-HP (2.2kw) Pump Motor
Dual Coolant Pumps	2x 1.7 HP Pumps for Tooling & 2 Pumps for Chip Flushing
Coolant Tank	70-gallon (280 Liters) Coolant Tank

**Specifications**

Machine Weight	22,751lbs. (10,320 kgs)
Electrical Requirement	49.5KVA (220vac ±5%, 3-phase, 60 Hz, 130 amps)
Air Requirement	85-psi @ 8-cfm for Parts Catcher, Ejector, Oil Mist Lubricator
Machine Dimensions	Width 165" / Depth 88" / Height 84" (Includes Chip Conveyor)
Shipping Dimensions	Width 181" / Depth 90" / Height 89"