

GENTURN 52-TTMY

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

Features

- + 52mm 2" Bar Capacity
- + Twin 6,000 RPM Opposed Spindles
- + Glass Scale Feedback on X1 & X2 Axes
- + 32-Driven Tool Positions each station can mount multiple tools
- + "Y" Axis with 2.75" Travel
- + Simultaneous Main & Sub-Spindle Machining
- + Full "C" Axis on Main and Sub-Spindle



Capacity
Main Spindle/
Sub-Spindle
Live Tool Turrets
Y, C, & B-Axis
Axis Specifications
Fluid Capacity
Specifications

Turning Diameter	7.48" (190 mm) Maximum, 6.7" (170mm) Standard
Turning Length/Center Distance	15.75" (400mm) / 36.22" (920mm) Between Centers
Spindle Nose / Bearing Diameter	A2-5
Spindle Bar Capacity	2.0" (51 mm)
Chuck Size	6"
Spindle Center Height	46.45" (1,180mm)
Maximum Spindle Speed	60-6,000 RPM Integral Spindles (4,000 RPM Hi-Torque Option)
Spindle Motor Horsepower	20-HP Peak, 15-HP (30-Minute Duty Rating)
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
Turret Thru-The-Tool-Coolant	Rated to 1,000 PSI for High Pressure Coolant Option
Y-Axis Travel	2.75" of Travel - ± 1.378" off of Centerline (±35mm)
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
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 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	1,574 ipm (40 m/minute)
Minimum Programmable Input	0.0001" (0.001mm = 40 millionths of an inch)
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
Machine Weight	22,751 lbs. (10,320 kgs)
Electrical Requirement	49.5KVA (220VAC ±5%, 3-phase, 60 Hz, 131 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"