

GENTURN 32-GT

Axis Travel

X-Travel	8.46" (215mm)
Z-Travel	5.98" (152mm)
Maximum Turning Diameter/Length	7.87" / 5.5" (200mm / 140mm)
Swing Over Bedways	12.59" (320mm)

Axis Feeds

Rapid Traverse – X, Z	787 ipm 20/20m/minute
Rated Cutting Feedrate	236 ipm 6/6m/minute
Mechanical Way System – X/Z	Box Ways / Turcite® Coated & Pressure Lubricated
Slant Bed Angle	20° Slant Bed Angle for Tooling
Axis Drive Motor Power – X-Axis	1.0-HP .75 kw
Axis Drive Motor Power – Z-Axis	1-1/3-HP 1.0 kw
Ballscrew Diameter – X, Z	32mm
Positioning Accuracy – X/Z- X/Z	±0.00015" / ±0.004mm
Positioning Repeatability – X/Z	±0.00008" / ±0.002mm
Least Input Command Increment	0.0001" / 0.000040" / 0.001mm / (40-millionths in metric)

Spindle

Spindle Nose Mount	A2-5
Spindle Speed	6,000
Maximum Tapping Spindle Speed	2,000 rpm
Maximum Bar Capacity	1-1/4", 32mm
Spindle Bore	34mm
Spindle Bearing – Inside Diameter	70mm (80mm Optional)
Spindle Motor Power – 3.7/5.5kw	7.5-HP / 5.5kw (10-HP 7.5kw Spindle Motor Optional)
Spindle Motor Torque	26 ft. lbs. 35Nm
Spindle Motor Drive Coupling	Belt Drive
Spindle Runout	≤ 0.000040" T.I.R.

Tool Plate/Tool System

Tool Plate Overall Dimensions	8.66" x 36.45" / 220mm x 706mm
Tool Plate T-Slot Dimensions	21mm Base & 12mm Neck Width, (8mm Base Height /17mm total)
T-Slots	3 T-Slots on 63mm Centers (See Power Point for Drawings)
Turning Tool Shank Size	20mm 3/4" Square Shank
Internal Tool Shank Size	32mm 1-1/4" (25mm for Optional Tool Turret Bores)
Optional Driven Tool Horsepower (.75kw)	1-Horsepower with 2:1 Speed Reduction for Increased Torque
Optional Driven Tool Collet Size (1/2")	2-ER20 Collets in a Hydraulic Positioned Upper/Lower Format

Specifications

Air Service Requirements	85 psi @ 5-scfm / 5.5 Kg/cm2
Electrical Requirements - Connected Load	10kva, 28-Amps 220vac ±5%, 60-Hz
Coolant Tank Capacity / Motor Power	21-gallons / 1/2-HP / 80-liters / 2-amps
Lubrication Pump	150 watts
Hydraulic Pump Motor / Pressure	1-HP / 500 PSI / .75 kw / 32-bar
Floor space requirements (W x D x H)	81" x 64" x 64" / 282x135x183cm (+ Chip Conveyor)
Machine Weight	4,850 pounds (2,200 kg)
Warranty – 1-year machine warranty	3-year Mitsubishi Control, Motors, & Drive Warranty