

GENMILL 6333

Axis Travel

X-Axis Travel (6 cross-roller trucks)	63" 1,600mm
Y-Axis Travel (4 cross-roller ways w/8 trucks)	33.4" 850mm
Z-Axis Travel	33.4" 850mm
Spindle Nose to Rotary Surface	5.9" – 39.37" 150 – 1000mm
Spindle Center to Z-Axis covers	33.4" 850mm (throat dimension)

Table

Table Size (LxW)	68.9 x 27.56" 1,750mm X 700mm
T-slots (5 T-Slots)	0.709" slot width 18 mm on 100mm centers
Max. Table Load	5,500lbs. 2500 kg load for full accuracy

Spindle

Spindle Motor - S1/S2/S3=22/26/30kw	40-HP S3 Power, 35-HP 30-minute duty-rating
Spindle Speed - Inline Direct-Drive	12,000rpm (15,000 optional)
Spindle Torque	90 ft-lb @ 1,500 rpm
Tool Type	CAT #40 Taper
Spindle Taper Material / Hardness	HRC 58-62 SCM415
Spindle Runout	≤ 0.000040 T.I.R.
Spindle Bearings - Front	110mm NSK 70BNR 10 x 2, P4 class-7 bearings
Spindle Bearings - Rear	110mm NSK 70BNR 10 x 2, P4 class-7 bearings Retention System
Holding Capability	Bellville Spring Stack 1650-1760 lbs
Retention Knob (pull stud)	C40-4502H (coolant) Japanese Standard

Axis Feeds

Accuracy X, Y, & Z axis (JIS6338)	± 0.0002" / 12" ± 0.005mm over 300mm travel
Repeatability X, Y, & Z axis (JIS6338)	± 0.0001" / 12" ± 0.003mm over 300mm travel
Least Input Command Increment	0.0001" / 0.000040" 0.001mm / (40-millionths in metric)
Rapid Traverse X and Y	984 ipm 25m/minute
Rapid Traverse Z	984 ipm 25m/minute
Ballscrews - X, Y, Z	50mm ballscrews 10mm pitch
Cutting Feedrate	0.04 – 393 ipm

Tool Changer

Tool Capacity (40+1)	40 Tool Twin-Arm
Tool Shank	CAT#40 Taper (CAT#50, BT#40/50 optional)
Tool Change Time (average)	3.7-seconds tool-to-tool
Maximum Tool Diameter / w/adjacent tool	5.90" / 3.15" 150mm / 80mm
Maximum Tool Length	11.81" 300mm
Maximum Tool Weight	15 lbs. 7kg
Tool Selection / Tool Access	Random access Bi-directional

Specifications

Air Service Requirements	85 psi @ 14-scfm
Coolant Capacity / Pressure	148 gallons / 560 liters
Connected Load Electrical Requirements	75 Amps / 220vac ±5%, 60-Hz
Floor space requirements (L x W x H)	185" x 130" x 120" 470x330x260cm (add 48" for chip conveyor)
Shipping dimensions (L x W x H)	219" x 92" x 104" 558x232x256cm
Machine Weight	26,455 pounds 12,000 kg
Warranty - 1-year machine warranty	3-year Mitsubishi control, motors, & drive warranty