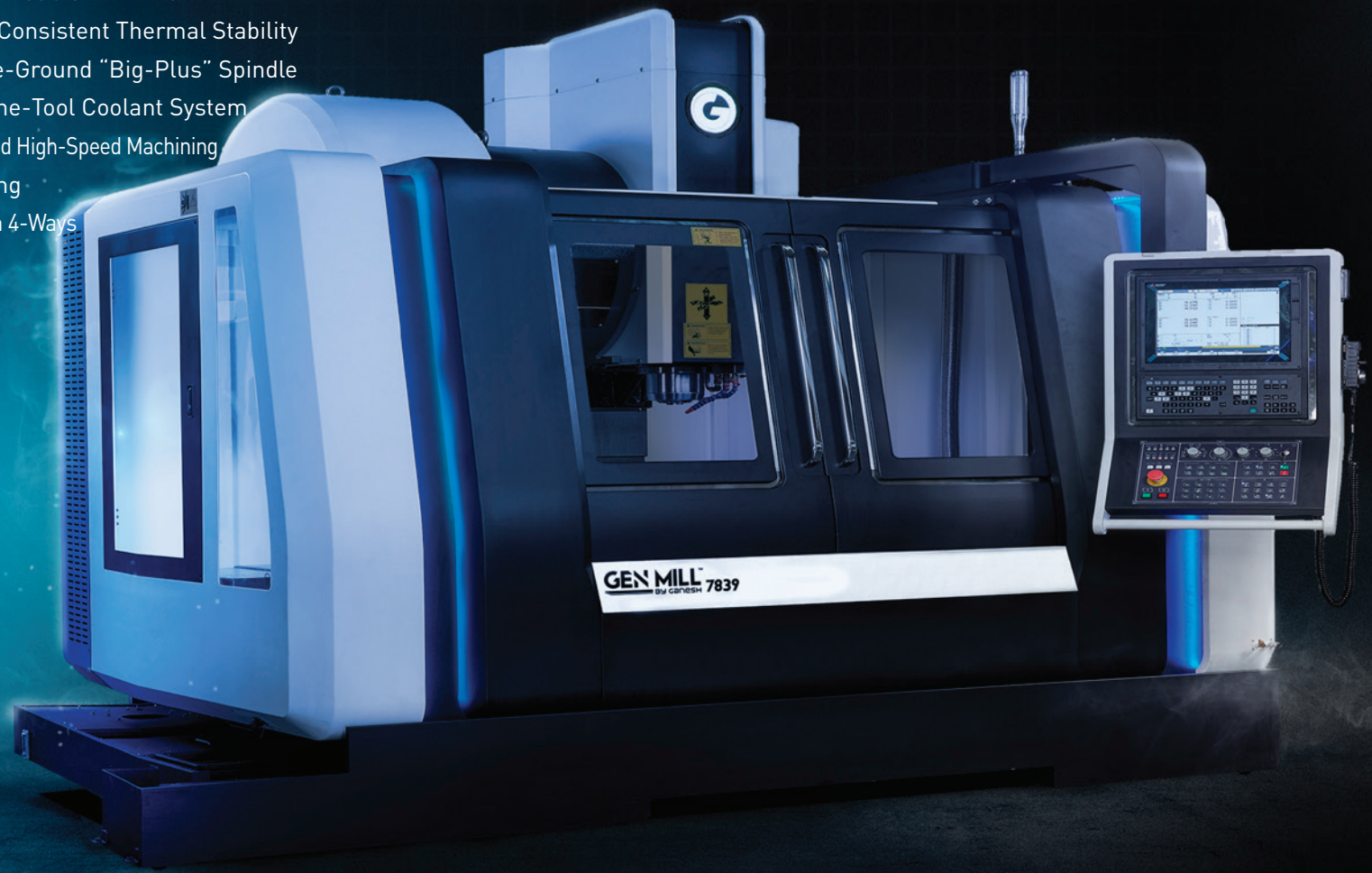


GENMILL 7839

78.74" X 39.37" 3 Axis High Speed Vertical Machining Center

Features

- + Roller Bearing Ways (X and Y Axis), Boxways (Z-Axis)
- + 40 Tool High Speed Double Arm ATC
- + Spindle Chiller for Consistent Thermal Stability
- + 12,000 RPM Double-Ground "Big-Plus" Spindle
- + 300-PSI Through-the-Tool Coolant System
- + 2,700 Block Look-Ahead High-Speed Machining
- + 4th & 5th Axis Wiring
- + Y-Axis Supported with 4-Ways



Axis Travel
 Table
 Spindle
 Axis Feeds
 Tool Changer
 Specifications

| | |
|--|---|
| X-Travel | 78.74" 2,000mm |
| Y-Travel | 39.37" 1000mm |
| Z-Travel | 35.43" 900mm |
| Spindle Nose to Table Surface | 9.8" - 45.27" 250 - 1150mm |
| Spindle Center to Z-Axis way covers | 41.53" 1055mm (throat dimension) |
| Table Size (LxW) | 84.65" x 35.43" 2,150mm X 900mm |
| T-slots (5 T-Slots) | 22mm slot width on 150mm centers |
| Max. Table Load | 6,600 lbs, 3,000 kgs. load |
| Spindle Motor - S1/S2=22/26 kW | 50-Horsepower Peak, 35-HP 30-minute duty-rating |
| Spindle Speed | 12,000rpm (15,000 - 20,000rpm optional) |
| Tool Type | CAT #40 Taper (CAT/BT #40 & #50 taper optional) |
| Spindle Taper Material / Hardness | SCM415 / HRC58-62 |
| Retention System / Holding Capability | Bellville Spring Stack 1650-1760 lbs |
| 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 Knob (pull stud) | C40-4502H (coolant) Japanese Standard |
| 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 - Z and Y | 590 ipm 15m/minute |
| Rapid Traverse - Z | 472 ipm 12m/minute |
| Ballscrews - X, Y, Z | 63mm ballscrews 10mm pitch |
| Cutting Feedrate | 0.02 - 393 ipm 10m/minute |
| Axis Drive Motor Power - Z, Y | 9.4-HP, 7kw |
| Axis Drive Motor Power - Z | 9.4-HP, 7kw w/brake |
| Tool Capacity (40+1) | 40 Tool Twin-Arm, Chain Drive |
| Tool Shank | CAT#40 Taper (CAT#50 optional) |
| Tool Change Time | 4.3-second tool-to-tool |
| Maximum Tool Diameter w/ adjacent tool | 5.90" / 3.15" 150mm / 80mm |
| Maximum Tool Length | 11.81" 300mm |
| Maximum Tool Weight | 15lbs / 7kg |
| Tool Selection / Tool Access | Random access / Bi-directional |
| Air Service Requirements | 85 psi @ 14-scfm |
| Coolant Capacity | 172 gallons / 650 liters |
| Connected Load Electrical Requirement | 100 Amps / 220vac ±5%, 60-Hz |
| Floor space Requirements | 193" x 131" x 142" 490x332x360cm (add 47" for conveyor) |
| Shipping dimensions (L x W x H) | 217" x 146" x 150" 550x370x380cm |
| Machine Weight | 50,706 pounds 23,000 kg |
| Warranty - 1-year machine warranty | 3-year Mitsubishi control, motors, & drive warranty |