

BMT 105/110/115 CNC

MODELS

- **BMT 105/110/115 CNC**
- **BMT 105/110/115 CNC Premium**

TECHNICAL SPECIFICATIONS

Spindle diameter	mm	105 / 110 / 115	
	in	4.1 / 4.3 / 4.5	
Spindle taper	ISO CAT	50 50	
Spindle motor	kW HP	30 40	
Spindle speed	rpm	5-3000 (continuous)	
X-axis travel	mm in	2000 78.7	
Y-axis travel	mm in	1600 63	
Z-axis travel	mm in	1600 63	
W-axis travel	mm in	700 27.6	
Rotary table	mm in	1400x1600 55x63	
Table load capacity	kg lb	6000 13,200	
Feeds	X, Y, Z	mm/min in/min	6-12,000 0.24-472
	W	mm/min in/min	6-6000 0.24-236
	B	rpm	0.025-3

STANDARD FEATURES

- Massive cast iron components
- Hardened and ground box guideways (steel inserts)
- Counterways lined with anti-friction material
- Double wall column design with wider distance between guideways
- Electrically shifted, 2-range planetary gearbox for spindle drive
- Nitrided boring spindle
- Double pinion backlash free table drive
- Ball screws (X, Y, Z, W)
- HEIDENHAIN linear scales (X, Y, Z, W)
- HEIDENHAIN rotary encoders (B, C)
- Hydraulic clamping for B-axis
- Power tool clamping
- Automatic lubrication system
- REXROTH/PARKER/ATOS hydraulic components
- SIEMENS AC servo motors, PLC and electrics
- SIEMENS SINUMERIK 840D sl

TRAVELS

- X-axis - cross slide
- Y-axis - headstock
- Z-axis - saddle
- W-axis - spindle

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VERSIONS

- 1200 mm (47.2 in) Y-axis travel
- 4000 rpm spindle speed
- Hydraulic clamping
- Head hydraulic clamping
- Pallet system (2 pallets)
- Choice of measuring system, hydraulic components, CNC controls
- **BMT 105/110/115 CNC Premium:**
- Roller linear guideways for higher feed rates
- Master-Slave table drive on B-axis

OPTIONAL EQUIPMENT *

- Manual or automatic indexing vertical milling heads
- Manual or automatic indexing universal milling heads
- Detachable facing head
- CNC facing head
- Spindle extension support
- Angle plates
- Coolant through the spindle
- Automatic tool changer with 30-40 tools
- Tool probe
- Part probe