



# CNC Table Type Horizontal Boring Mills

## BMT 125 CNC

### MODELS

- **BMT 125 CNC**
- **BMT 125 CNC Premium**

### STANDARD FEATURES

- Massive cast iron components
- Hardened and ground box guideways (steel inserts)
- Counterways lined with anti-friction material, roller packs for X and Z axes, and Y-axis lateral guidance of headstock
- Double wall column design
- 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

### TECHNICAL SPECIFICATIONS

Spindle diameter	mm in	125 4.9	
Spindle taper	ISO CAT	50 50	
Spindle motor	kW HP	37 50	
Spindle speed	rpm	5-3000 (continuous)	
X-axis travel	mm in	2500 98.4	
Y-axis travel	mm in	1950 76.8	
Z-axis travel	mm in	1800 70.9	
W-axis travel	mm in	800 31.5	
Rotary table	mm in	1600x1800 63x71	
Table load capacity	kg lb	10,000 22,000	
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	0.025-2.5



### VERSIONS

- 130 mm (5.1 in) spindle diameter
- 10-4000 rpm spindle speed
- 3000 mm (118 in) X-axis travel
- Hydraulic clamping
- Head hydraulic clamping
- Pallet system (2 pallets)
- Choice of measuring system, hydraulic components, CNC controls

### BMT 125 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 30-60 tools
- Tool probe; part probe