

HORIZONTAL BORING & MILLING MACHINE

HBMT 105/110/115 SERIES

TABLE TYPE

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



TECHNICAL SPECIFICATIONS

TABLE	UNITS	HBMT 105/110/115 CNC
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	1400×1600 55×63
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