

# **HORIZONTAL BORING & MILLING MACHINE**

## **HBMT 105 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
- Nitrided boring spindle
- Ball screws (X, Y, Z, W)
- HEIDENHAIN linear scales (X, Y, Z, W)
- HEIDENHAIN rotary encoders (B)
- Hydraulic clamping for all axes
- Power tool clamping
- Automatic lubrication system
- SIEMENS AC servo motors, PLC and electrics



## TECHNICAL SPECIFICATIONS

<b>TABLE</b>	<b>UNITS</b>	<b>HBMT 105 DRO/PTP/CNC</b>
Spindle Diameter	mm in	105 4.1
Spindle Taper	ISO CAT	50 50
Spindle Motor	kW HP	15 20
Spindle Speed	rpm	16-1600 (18 steps)
X-axis travel	mm in	2100 82.6
Y-axis travel	mm in	1800 71
Z-axis travel	mm in	1600 63
W-axis travel	mm in	700 27.6
Rotary table	mm (in)	1400×1600 55×63
Feeds – DRO X,Y,Z	mm/min in/min	6.25-2500 0.25-98.4
W	mm/min in/min	6.25-1250 0.25-49.2
B	rpm	0-1.4
Feeds – PTP X,Y,Z	mm/min in/min	6.25-2500 0.25-98.4
W	mm/min in/min	6.25-1500 0.25-59
B	rpm	0-1.4