

# **HORIZONTAL BORING & MILLING MACHINE**

## **HBMF 130/150 SERIES**

### **FLOOR TYPE**

#### STANDARD FEATURES

- Massive cast iron components
- Hardened and ground box guideways (steel inserts)
- Counterways lined with anti-friction material
- Double wall column design
- Electrically shifted, 2-range planetary gearbox for spindle drive
- Ball screws (Y, Z, W)
- Ball screw for x-axis travel up to 4000mm; rack and double pinion drive for X-axis travel over 4000mm
- HEIDENHAIN linear scales (X, Y, Z)
- HEIDENHAIN rotary encoder (W)
- Power tool clamping
- Ram droop compensation
- REXROTH/PARKER/ATOS hydraulic components
- SIEMENS AC servo motors, PLC and electrics
- SIEMENS SINUMERIK 840D sl
- Steel telescopic covers for X-axis



## TECHNICAL SPECIFICATIONS

<b>TABLE</b>	<b>UNITS</b>	<b>HBMF 130/150 CNC</b>
Spindle Diameter	mm	130/150 5.1/5.9
Spindle Taper	ISO CAT	50 50
Spindle Motor	kW HP	37/51 50/68
Spindle Speed	rpm	May-00
Ram cross section	mm in	380×380 15×15
X-axis travel	mm in	4000 157.5
Y-axis travel	mm in	2500 98.4
Z-axis travel	mm in	800 31.5
W-axis travel	mm in	800 31.5
Feeds X, Y, Z	mm/min in/min	6-12000 0.24-472
W	mm/min in/min	6-6000 0.24-236