



CNC Floor Type Horizontal Boring Mills

BP LIGHT SERIES

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 4000 mm; rack and double-pinion drive for X-axis travel over 4000 mm
- 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

TRAVELS

- X-axis - column
- Y-axis - headstock
- Z-axis - ram
- W-axis - spindle

TECHNICAL SPECIFICATIONS

		BP 130/150	
Spindle diameter	mm in	130/150	5.1/5.9
Spindle taper	ISO CAT	50	50
Spindle motor	kW HP	37/51	50/68
Spindle speed	rpm	5-3000	
Ram cross section	mm in	380x380	15x15
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	6-12,000 0.24-472
	W	mm/min in/min	6-6000 0.24-236



VERSIONS

- Extended X-axis travel
- 3000, 3500 mm (118, 138 in) Y-axis travel
- 1000 mm (39.4 in) W-axis travel
- Head hydraulic clamping
- Choice of 2-axes rotary tables
- Choice of floor plates
- Choice of CNC controls

OPTIONAL EQUIPMENT *

- Manual or automatic indexing vertical milling heads
- Manual or automatic indexing universal milling heads
- CNC milling heads
- Detachable facing head
- CNC facing head
- Spindle extension support
- Angle plates
- Automatic tool changer with 30-60 tools
- Automatic head changer
- Independent operator platform
- Coolant through the spindle
- Touch probe
- Tool presetter
- Chip conveyor