



CNC Horizontal Boring Mill

HBW-T

Long Table Series Moving Column. Up to 13' travel.



Standard configuration

- Glass linear scales for X/Y/Z axes
- Spindle oil cooling
- Automatic power off
- Hydraulic system
- Coolant system
- Automatic lubrication
- Three-color warning light
- Work light
- Electrical handwheel (MPG)
- RS-232 port
- Heat exchanger for electric cabinet
- Chip conveyor and chip cart
- Leveling pads and bolts
- Controller manuals and circuit diagram
- Operation manual
- Machine inspection lists
- Backsplash guard
- Tool kit
- FANUC OiMD CNC control
- ATC 40 tools

Specifications			HBW 2200/110T	HBW 2600/110T	HBW 3200/110T	HBW 4200/110T
			4" Ø; 7' travel	4" Ø; 8' travel	4" Ø; 10' travel	4" Ø; 13' travel
TABLE	Table dimensions	mm	2000x1400 (79x55")	2400x1400 (94.5x55")	3000x1400 (118x55")	4000x1400 (157.5x55")
	T-slots	mm	22 (0.86")			
	Max. table load	kg	12,000 (26,455 lbs)	15,000 (33,070 lbs)	20,000 (44,092 lbs)	25,000 (55,115 lbs)
TRAVELS	X axis	mm	2200 (87")	2600 (102.5")	3200 (126")	4200 (165.5")
	Y axis	mm	1600 (63") [opt. 1900 (75")]			
	Z axis	mm	1700 (67")			
	W axis	mm	500 (20")			
SPINDLE	Diameter	mm	Ø110 (4")			
	Speed	rpm	10–2500 [opt. 3000]			
	Taper		BT-50			
DISTANCES	Spindle center-table	mm	0–1600 [opt. 1900] (0–63" [opt. 75"])			
	Spindle-table distance	mm	-50–2150 (-2–85")			
	Floor-table height	mm	1180 (46.5")			
FEED RATE	Rapid feed rate: X/Y/Z	m/min	10 (33")			
	Rapid feed rate: W	m/min	10 (33")			
	Minimum Setting	mm/min	0.001 (0.0000393")			
	Cutting feed rate	mm/min	1–5000 (0.04–197")			
MOTOR	Spindle servo motor	kW	18.5 [opt. 26] (25 Hp [opt. 35 Hp])			
	Axis: X/Y/Z/W	kW	7/4/4/4 (10/5/5/5 Hp)			
	Lubricator motor	kW	0.15 (.2 Hp)			
	Hydraulic pump motor	kW	2.25 (3 Hp)			
	Chip conveyor	kW	0.2 (0.25 Hp)			
	Oil cooling pump	kW	0.75 (1 Hp)			
ATC	Number of tools	#	40 [60]			
	Tool selection		absolute			
	Tool change time	sec	15			
	Max. tool Ø/length	mm	With adjacent tool: Ø125/Ø250, 400—Without adjacent tool: 5/10, 16"			
	Max. tool weight	kg	25 (55 lbs)			
COOLANT & LUBRICATION	Coolant tank	l	400 (106 gal)			
	Hydraulic tank	l	80 (21 gal)			
	Lubrication tank	l	8 (2 gal)			
MISC.	Power required	kVa	55			
	Pressurized air	kg/cm ²	6 (13)			
Item No.			2630040	2630041	2630042	2630043

*The above specifications are subject to change without prior notice. No liability for printing mistakes. Machine may be shown with optional equipment.



- Movable column construction
- Minimum deflection of spindle extension (W-axis)
- Extra long heavy duty table
- Rigid roller type linear ways on X, Z-axis
- 40-tool magazine is standard
- 60-tool magazine is optional

Optional configuration

- ATC 60 tools
- Oil mist collector
- Fanuc, Siemens, Heidenhain CNC control
- Various auxiliary work tables
- Air cooler for electric cabinet
- Extension sleeve, 250/300 mm
- Coolant through spindle
- Manual 90° angular milling head
- Splash guard around table and large external splash guard

Specifications			HBW						
			2200/110T2	2600/110T2	3200/110T2	4200/110T2	5200/130T2	6200/130T2	
			4" Ø; 7' travel	4" Ø; 8' travel	4" Ø; 10' travel	4" Ø; 13' travel	5" Ø; 17' travel	5" Ø; 20' travel	
TABLE	Table dimensions	mm	2000x1400 (79x55")	2400x1400 (94.5x55")	3000x1400 (118x55")	4000x1400 (157.5x55")	5000x2500 (197x98.5")	6000x2500 (236x98.5")	
	T-slots	mm	22 (0.86")				28 (1.1")		
	Max. table load	kg	12,000 (26,455 lbs)	15,000 (33,070 lbs)	20,000 (44,092 lbs)	25,000 (55,115 lbs)	40,000 (88,185 lbs)	50,000 (110,231 lbs)	
TRAVELS	X axis	mm	2200 (87")	2600 (102.5")	3200 (126")	4200 (165.5")	5200 (205")	6200 (244")	
	Y axis	mm	2000 [opt. 2500] (79" [opt. 98.5"])				2500 [opt. 3000] (98.5" [opt. 118"])		
	Z axis	mm	1700 (67")				2000 [opt. 2500] (79" [opt. 98.5"])		
	W axis	mm	550 (22")				700 [opt. 900] (27.5" [opt. 35.5"])		
SPINDLE	Diameter	mm	Ø110 (4")				Ø130 (5")		
	Speed	rpm	10–2500				10–2000 [opt. 2500]		
	Taper		BT-50				BT-50		
DISTANCES	Spindle center-table	mm	0–2000 [opt. 2500] (0–79" [opt. 98.5"])				0–2500 [opt. 3000] (0–98.5" [opt. 118"])		
	Spindle-table distance	mm	-100–2150 (4–85")				200–2900 [opt. 0–2900] (8–114" [opt. 0–114"])		
	Floor-table height	mm	1180 (46.5")				1420 (56")		
FEED RATE	Rapid feed rate: X/Y/Z	m/min	10 (33')				8/10/10 (26.5/33/33')		
	Rapid feed rate: W	m/min	10 (33')				6 (20')		
	Minimum Setting	mm/min	0.001 (0.0000393")						
	Cutting feed rate	mm/min	1–5000 (0.04–197")						
MOTOR	Spindle servo motor	kW	18.5 [opt. 26] (25 Hp [opt. 35 Hp])						
	Axis: X/Y/Z/W	kW	7/4/4/4 (10/5/5/5 Hp)				9/7/9/4 (12/10/12/5 Hp)		
	Lubricator motor	kW	0.15 (.2 Hp)						
	Hydraulic pump motor	kW	2.25 (3 Hp)						
	Chip conveyor	kW	0.2 (0.25 Hp)						
	Oil cooling pump	kW	0.75 (1 Hp)						
ATC	Number of tools	#	41 [opt. 60]	42 [opt. 60]	43 [opt. 60]	44 [opt. 60]	45 [opt. 60]	46 [opt. 60]	
	Tool selection		absolute						
	Tool change time	sec	15						
	Max. tool Ø/length	mm	Without adjacent tool: Ø125/Ø250 (5/10")/Length: 400 (16")						
	Max. tool weight	kg	25 (55 lbs)						
COOLANT & LUBRICATION	Coolant tank	l	400 (106 gal)						
	Hydraulic tank	l	80 (21 gal)						
	Lubrication tank	l	8 (2 gal)						
MISC.	Power required	kVa	55						
	Pressurized air	kg/cm²	6 (13)						
Item No.		2630044	2630045	2630046	2630047	2630048	2630049		

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