



CNC Horizontal Boring Mill HBW-T

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



The KAAST HBW-T is a long table horizontal CNC boring mill series with a movable column. This series offer a long, heavy-duty table, and ridged roller-type linear guideways on the X and Z-axes and an optional quill (W).

With a large range of models to select from, users can also choose between the standard 24-tool magazine or upgrade to the optional 60-tool magazine based on their particular needs.

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	1200 [Opt: 1700] (47 [Opt: 67"])			
	W axis	mm	option: 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	350-1550 [Opt: -50-2150] (13.8-61" [Opt: -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)			
	Number of tools	#	40 [60]			
ATC	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"			
COOLANT & LUBRICATION	Max. tool weight	kg	25 (55 lbs)			
	Coolant tank	l	400 (106 gal)			
	Hydraulic tank	l	80 (21 gal)			
MISC.	Lubrication tank	l	8 (2 gal)			
	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.



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

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

- 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

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")					
COOLANT & LUBRICATION	Max. tool weight	kg	25 (55 lbs)					
	Coolant tank	l	400 (106 gal)					
	Hydraulic tank	l	80 (21 gal)					
MISC.	Lubrication tank	l	8 (2 gal)					
	Power required	kVa	55					
	Pressurized air	kg/cm ²	6 (13)					

Item No.

2630044

2630045

2630046

2630047

2630048

2630049

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Cutting

Turning

Milling

Drilling/Boring
CNC • Manual

Grinding

Sawing

Fabricating