

MASTER HEAVY CUTS WITH HIGH-TORQUE ACCURACY



Performance Horizontal
Machining Center

Key Features

- ▶ Robust T-Shaped Bed Structure
- ▶ Double-Layer Column Design
- ▶ Heavy Cutting Capability
- ▶ High Torque Spindle
- ▶ Excellent Chip Management System

Industry Segment

-  Automotive
-  Oil & Gas
-  Aerospace
-  General Engineering

Technical Specification

Description		Unit	PHM5000	PHM6300	PHM8000
Pallet	Pallet Size	mm	500 x 500	630 X 630	800 X 800
	Max. Load Capacity	kg	900	1200	2000
	Max. Workpiece Swing	mm	720	950	1200
	T-Slots	mm	5-14*100	5-18*125	5-22*160
	Pallet Change Time	sec	16	16	16
	Min. Indexing Angle	deg	1°	1°	1°
	Distance from Spindle Nose to Pallet Centre	mm	100 - 850	130 - 1030	200 - 1200
	Distance from Spindle Centre to Pallet	mm	130 - 1030	50 - 800	130 - 1130
Spindle	Spindle Taper	type	BBT50	BBT50	BBT50
	Spindle Speed	rpm	6000	6000	6000
	Spindle Driving Method	type	Gear Box	Gear Box	Gear Box
	Main Spindle Power Output	kw	22 / 26	22 / 26 (30 / 37)	22 / 26 (30 / 37)
	Max. Spindle Torque	nm	1070	1070	1070
Feed	Travel (X/Y/Z)	mm	750 / 750 / 750	1050 / 750 / 900	1300 / 1000 / 1000
	Rapid Rate (X/Y/Z)	m/min	48/48/48	48/48/48	48/48/48
	Feed Rate (X/Y/Z)	m/min	10	10	10
	Guideways	type	Roller	Roller	Roller
ATC	Number of Tools	nos.	40	40 (60)	40 (60)
	Tool Selection	type	Random	Random	Random
	Max. Tool Dia. (W.T / W.O)	mm	125 / 250	125 / 250	125 / 250
	Max. Tool Length	mm	500	500	500
	Max. Tool Weight	kg	18	18 (25)	18 (25)
	Tool Change Time	sec	3.5	3.5	3.5
Accuracy	X/Y/Z Positioning Accuracy	mm	0.01	0.01	0.01
	X/Y/Z Repeatability	mm	0.006	0.006	0.006
	B-Axis Positioning Accuracy	arc sec	10"	10"	10"
	B-Axis Repeatability	arc sec	2"	2"	2"
Power Supply	Air Consumption	bar	6-8	6-8	6-8
	Electric Power Supply	kva	40	40	40
Machine	Machine Dimensions	mm	5650 x 3760 x 3100	5850 x 3760 x 3100	8200 x 4750 x 3600
	Machine Weight	mm	14000	16000	19500
Controller	10.4inch Screen	type	Fanuc OiMF Plus	Fanuc OiMF Plus	Fanuc OiMF Plus

*Technical specifications and optional items may be subject to change without prior notice.

Standard Accessories

- Gear Drive Spindle
- Pretensioned Ballscrew on X/Y/Z axes
- Thermal Compensation System
- 10.4" LCD Fanuc OiMF Plus
- Manual Pulse Generator
- Rigid Tapping
- CF / USB interface
- Auto Power OFF
- Door Interlock
- LED Machine Light
- Automatic Lubrication System (for slide way & ballscrew)
- Spindle Air Blast
- Air Gun
- Coolant Gun
- Panel AC
- Coolant Tank with Chip Tray & Pumps

- Spindle Coolant Nozzles, Ring Spray
- Pneumatic system
- Fully Enclosed Splash Guard
- Transformer
- levelling Bolts & Blocks
- Tools and Tools Box
- Manuals
- Export Packing



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