

Ultrasonic High-Efficiency Drilling & Milling Center

JHT-1200



Technical Data

Controller	Standard	Optional
CNC Controller	Mitsubishi M80A	SIEMENS/FANUC

Spindle		
Diameter	mm	Φ120
Max. Speed (Short-Duration)	rpm	30,000
Max. Speed (Long-Duration)	rpm	24,000
Motor Power (Rated / Short-Duration)	kW	Y: 5.5 Δ: 7.5
Motor Torque (Rated / Short-Duration)	Nm	Y: 8.73 Δ: 4.78
Spindle Taper	-	BT30
Ultrasonic	-	Standard
Spindle-Through MQL	-	/
Ultrasonic + Spindle-Through MQL	-	/
Supercritical CO ₂ Spindle	-	/

Tool Magazine		
Tool Holding Capacity	No. of Tools	21
Max. Tool Diameter (Full / Partial)	mm	60/80
Max. Tool Length	mm	200
Max. Tool Weight	kg	3
Type	-	Arm Type

Miscellaneous		
Power Supply Voltage	-	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	15
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>100
Total Weight (incl. Accessories)	kg	6,000
Machine Size (L x W x H)	mm	2,930×2,980×2,700

Travel		
X/Y/Z-Axis Travel	mm	1,200×650×370
Spindle Nose to Table	mm	180-550
Spindle Center to Z-Axis Cover	mm	660

Worktable		
Dimensions	mm	1,300×600
Max. Load	kg	400
T-Slot (No. x Width x Distance)	pcs×mm×mm	5×18×125

Feed Rate		
X/Y/Z-Axis Rapid Speed	m/min.	48/48/36
X/Y/Z-Axis Motor Power	kW	2.2/2.2/3.0

Accuracy		
X/Y/Z-Axis Positioning Accuracy	mm	0.008
X/Y/Z-Axis Repeatability	mm	0.005
Accuracy Grade	-	P

Standard Configurations

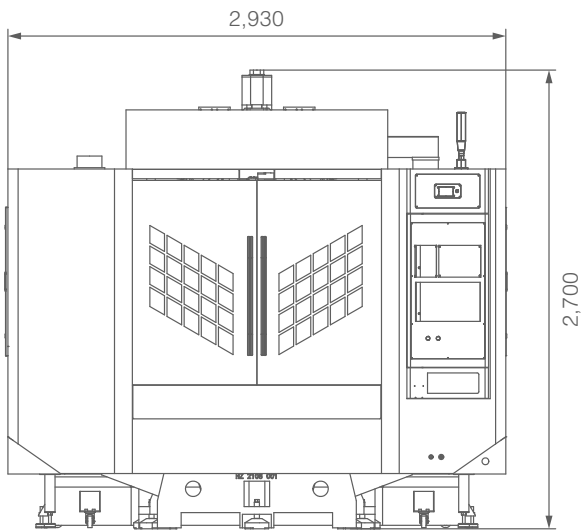
Automatic Centralized Lubrication System	Blow Gun
Chip-Flushing System	Electrical Cabinet Heat Exchanger
Coolant System	LED Work Light
Ethernet Port	Three-Color Alarm Light
Handwheel	Door Safety Interlock

Optional Configuration

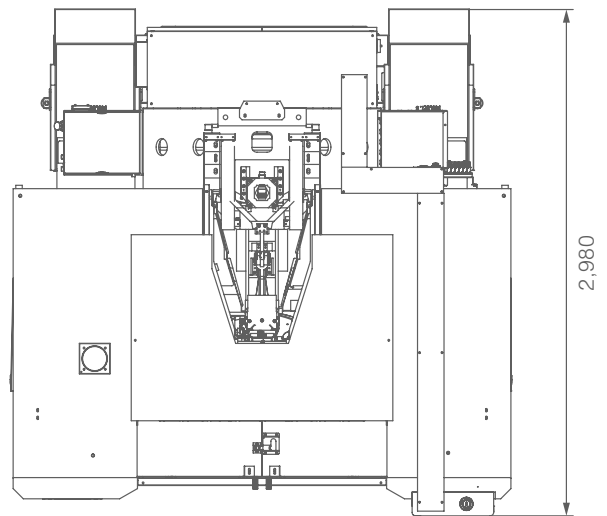
High Precision 3D Probe	Contact Tool Setter
Automatic Door	Add-On Tool Magazine (ATM-14)
Disc-Type Oil-Water Separator	Spindle Chiller
4/5th Axis Rotary Table	Non-Ultrasonic
Oil-Mist Collector	

Floor Plans (Unit: mm)

Front View



Top View



The information given is not binding. The actual product and mutual agreement shall prevail.

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