

Ultrasonic-Green

Vertical Machining Center

UGV-1165



Technical Data

Controller

	Standard	Optional
CNC Controller	Mitsubishi M80B	Siemens 828D-280/ FANUC 0i-MF (5)

Spindle

	mm	Φ150 (Optional)	Φ150 (Optional)	Φ150 (Optional)
Diameter				
Max. Speed (Short-Duration)	rpm	12000(Direct-Driven)	15000 (Direct-Driven)	18000 (Electric Spindle)
Max. Speed (Long-Duration)	rpm	9600(Direct-Driven)	12000 (Direct-Driven)	14400 (Electric Spindle)
Motor Power (Rated / Short-Duration)	kW	7.5/11	9/11	Y:6/7.5 Δ:11/13.75
Motor Torque (Rated / Short-Duration)	Nm	35.8/70	57.3/70	Y:32.5/42.9 Δ:18.8/24.2
Spindle Taper	-	BT40	BT40	HSK-A63
Ultrasonic	-	Optional	Optional	Optional
Minimum Quantity Lubrication (MQL)	-	Optional	Optional	Optional
Ultrasonic + MQL	-	Optional	Optional	Optional

Tool Magazine

	No. of Tools	24 (Standard)	30 (Optional)
Tool Holding Capacity			
Max. Tool Diameter (Full / Partial)	mm	Φ75/Φ150	
Max. Tool Length	mm	250	
Max. Tool Weight	kg	8	
Type	-	Disc Type	

Miscellaneous

Power Supply Voltage	-	Three-Phase AC, 380V/50Hz		
Power Capacity	kVA	20	22	23
Air Pressure	MPa	0.5-0.7		
Total Air Consumption	L/min	>100		
Total Weight (incl. Accessories)	kg	7200		
Machine Size (L x W x H)	mm	2760×3000×3100		

Travel

	mm	
X/Y/Z-Axis Travel		1100×650×600
Spindle Nose to Table	mm	140-740
Spindle Center to Column Guide	mm	710

Worktable

	mm	
Dimensions		1200×600
Max. Load	kg	800
T-Slot (No. x Width x Distance)	pcs×mm×mm	5×18×100

Feed Rate

	m/min.	
X/Y/Z-Axis Rapid Speed		36/36/36
X/Y/Z-Axis Max. Feed Rate	m/min.	10/10/10
X/Y/Z-Axis Motor Power	kW	2/2/3

Accuracy

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

Standard Configurations

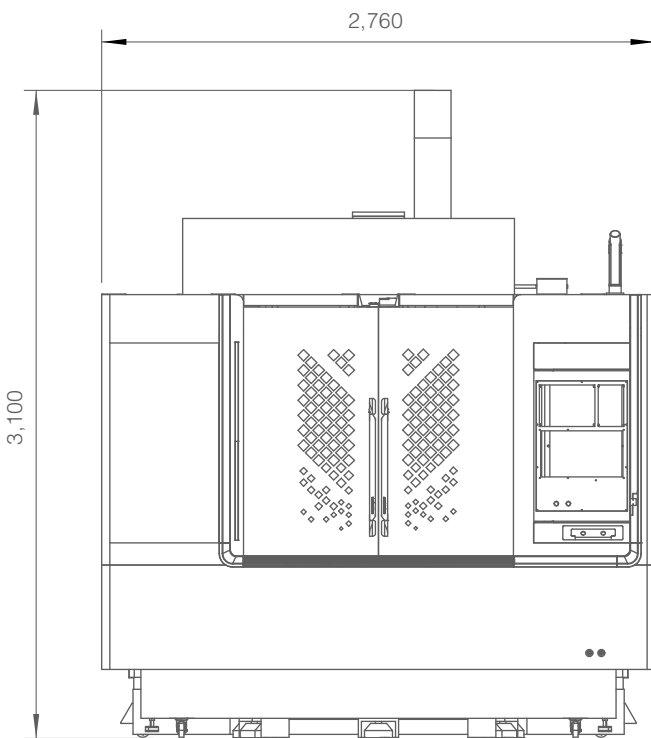
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Handwheel	Three-color Alarm Light
Blow Gun	Door Safety Interlock

Optional Configurations

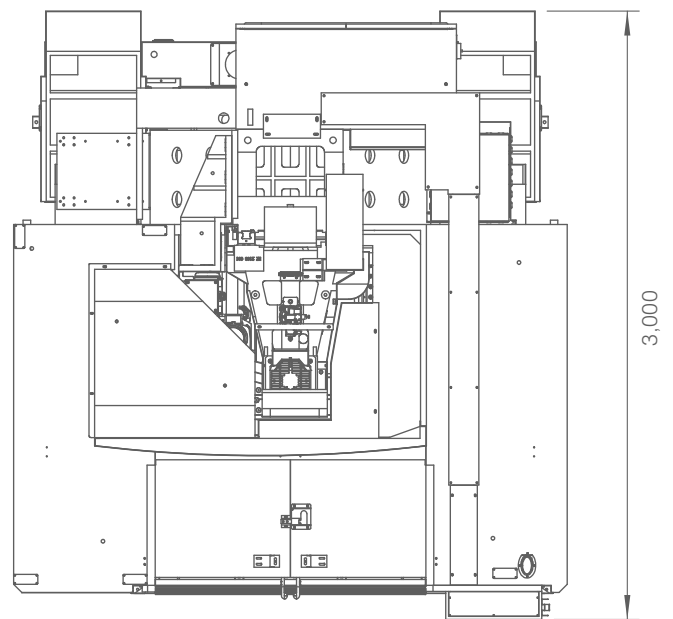
Oil-Mist Collector	Disc-Type Oil-Water Separator
4/5th Axis Rotary Table	Spindle Chiller
Contact Tool Setter	Chip Conveyor
High Precision 3D Probe	Water Gun
Automatic Door	

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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