

Ultrasonic Precision

Engraving & Milling Center

UJM-800C



Technical Data

Controller

CNC Controller	SIEMENS 828D-280
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Spindle

Diameter	mm	Φ150
Max. Speed (Short-Duration)	rpm	18000
Max. Speed (Long-Duration)	rpm	14400
Motor Power (Rated)	kW	Y: 15 Δ: 20
Motor Torque (Rate)	Nm	Y: 39.6 Δ: 24.8
Spindle Taper	-	HSK-A63
Ultrasonic	-	Optional
Minimum Quantity Lubrication (MQL)	-	/
Ultrasonic + MQL	-	/
Supercritical CO ₂ Spindle	-	/

Tool Magazine

Tool Holding Capacity	No. of Tools	Non-Ultrasonic: 40
		Ultrasonic: 20
Max. Tool Diameter (Full)	mm	76
Max. Tool Length	mm	260
Max. Tool Weight	kg	5
Type	-	Chain Type

Miscellaneous

Power Supply Voltage	-	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	33
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>100
Total Weight (incl. Accessories)	kg	9000
Machine Size (L x W x H)	mm	2990x2935x2875

Travel

X/Y/Z-Axis Travel	mm	800x800x350
Spindle Nose to Table	mm	145-495

Worktable

Dimensions	mm	850x850
Max. Load	kg	1000
T-Slot (No.xWidthxDistance)	pcs×mm×mm	8-18×100

Feed Rate

X/Y/Z-Axis Rapid Speed	m/min.	24/24/24
X/Y/Z-Max. Feed Rate	m/min.	10/10/10
X/Y/Z-Axis Motor Power	kW	3.1/3.1/3.1

Accuracy

X/Y/Z-Axis Positioning Accuracy	mm	0.005
X/Y/Z-Axis Repeatability	mm	0.003
Accuracy Grade	-	UP

Standard Configurations

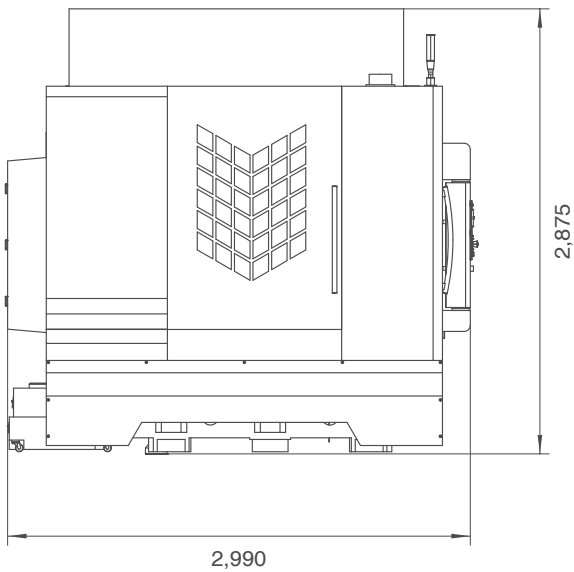
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock
Blow Gun	

Optional Configurations

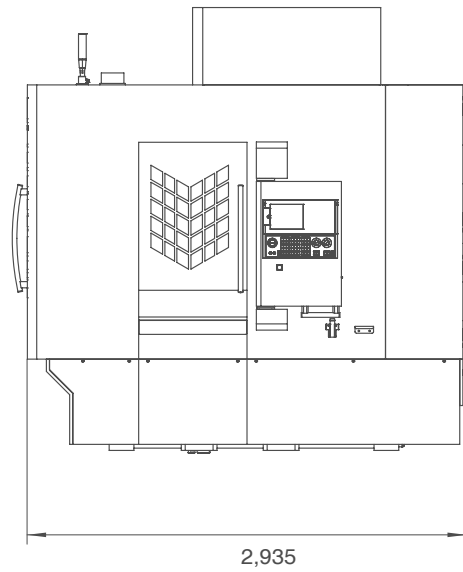
High Precision 3D Probe	4/5th Axis Rotary Table
High Precision Linear Encoders	Automatic Door
Oil-Mist Collector	Contact Tool Setter

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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