

Ultrasonic Precision

Engraving & Milling Center

UJM-1200A



Technical Data

Controller

CNC Controller	SIEMENS 828D-280
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Spindle

Diameter	mm	Φ100
Max. Speed (Short-Duration)	rpm	40000
Max. Speed (Long-Duration)	rpm	32000
Motor Power (Rated)	kW	Y: 6 Δ: 20
Motor Torque (Rate)	Nm	Y: 2.7 Δ: 24.8
Spindle Taper	-	HSK-E32
Ultrasonic	-	Optional
Minimum Quantity Lubrication (MQL)	-	/
Ultrasonic + MQL	-	/
Supercritical CO ₂ Spindle	-	/

Tool Magazine

Tool Holding Capacity	No. of Tools	Non-Ultrasonic: 25
		Ultrasonic: 25
Max. Tool Diameter (Full)	mm	60
Max. Tool Length	mm	150
Max. Tool Weight	kg	5
Type	-	Disc Type

Miscellaneous

Power Supply Voltage	-	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	18/20/33
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>100
Total Weight (incl. Accessories)	kg	11000
Machine Size (L x W x H)	mm	2990x3770x2900

Travel

X/Y/Z-Axis Travel	mm	800x1200x350
Spindle Nose to Table	mm	150-500

Worktable

Dimensions	mm	850x1250
Max. Load	kg	1000
T-Slot (No.xWidthxDistance)	pcsxmmxmm	8-18x100

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	3.1/4.3/3.1

Accuracy

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

Standard Configurations

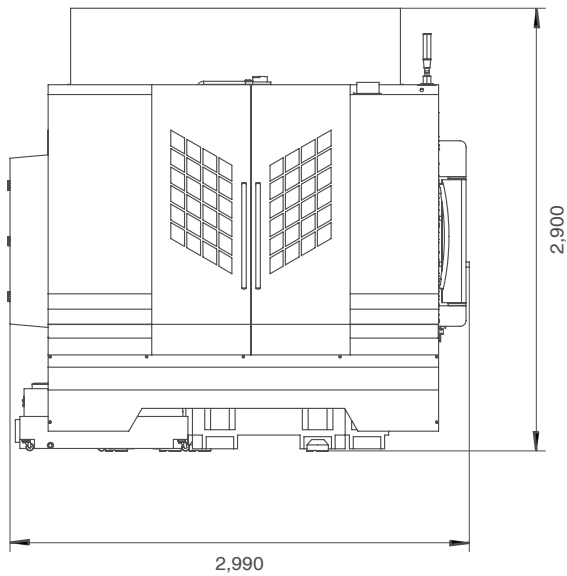
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock
Blow Gun	

Optional Configurations

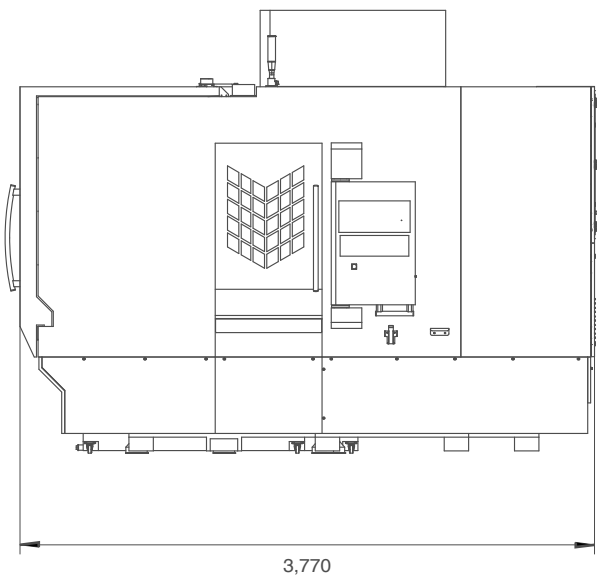
High Precision 3D Probe	4/5th Axis Rotary Table
High Precision Linear Encoders	Automatic Door
Oil-Mist Collector	Contact Tool Setter

Floor Plans (Unit: mm)

Front View



Top View



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

Contact: Esther HU +86-138 2607 9999

E-mail: esther.hu@conprofotech.com

Address: No.6 2nd Nanyun Road, Science City, Hi-tech Development Zone, Guangzhou, 510663, P.R.C

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