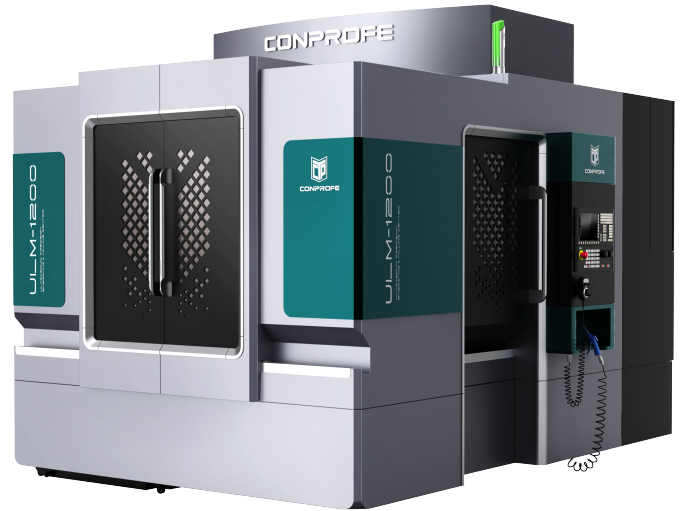


# Ultrasonic Precision

## Engraving & Milling Center

# UJM-1200B



## Technical Data

### Controller

CNC Controller	SIEMENS 828D-280
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### Spindle

Diameter	mm	Φ120
Max. Speed (Short-Duration)	rpm	30000
Max. Speed (Long-Duration)	rpm	24000
Motor Power (Rated)	kW	Y: 7.5 Δ: 20
Motor Torque (Rate)	Nm	Y: 3.4 Δ: 24.8
Spindle Taper	-	HSK-E40
Ultrasonic	-	Optional
Minimum Quantity Lubrication (MQL)	-	/
Ultrasonic + MQL	-	/
Supercritical CO <sub>2</sub> 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	20
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)	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	3.1/4.3/3.1

### Accuracy

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

## Standard Configurations

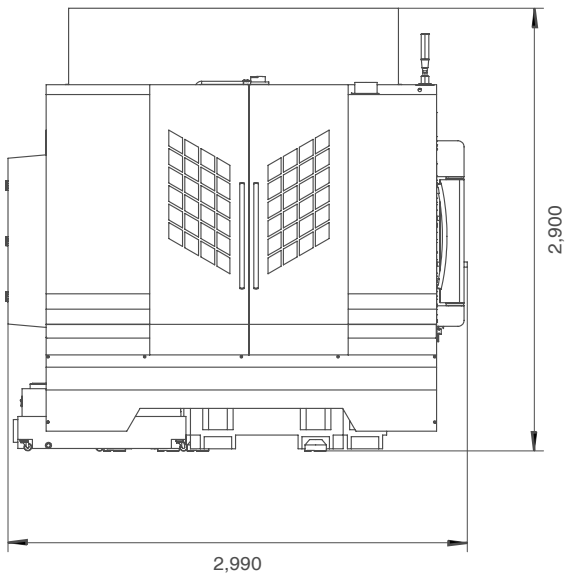
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock
Blow Gun	

## Optional Configurations

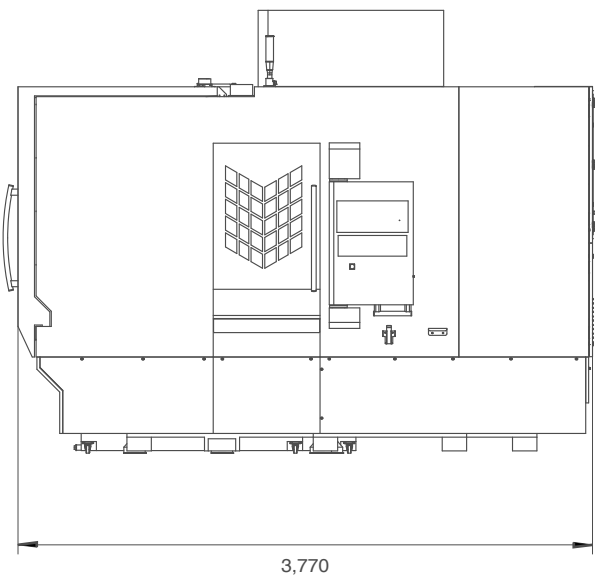
High Precision 3D Probe	4/5th Axis Rotary Table
High Precision Linear Encoders	Automatic Door
Oil-Mist Collector	Contact Tool Setter

## Floor Plans (Unit: mm)

### Front View



### Top View



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

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