

# Ultrasonic Precision

## Engraving & Milling Center

# JLM-600A



## Technical Data

### Controller

	Standard	Optional
CNC Controller	HNC-918D	SIEMENS 828D-280

### 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 <sub>2</sub> Spindle	-	/

### Tool Magazine

	No. of Tools	
Tool Holding Capacity		Non-Ultrasonic: 15
		Ultrasonic: 15
Max. Tool Diameter (Full)	mm	130
Max. Tool Length	mm	80
Max. Tool Weight	kg	3
Type	-	Umbrella Type

### Miscellaneous

Power Supply Voltage	-	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	12
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>100
Total Weight (incl. Accessories)	kg	5000
Machine Size (L x W x H)	mm	1850 x 2100 x 2395

### Travel

X/Y/Z-Axis Travel	mm	600x500x300
Spindle Nose to Table	mm	130-430

### Worktable

Dimensions	mm	620x560
Max. Load	kg	300
T-Slot (No.xWidthxDistance)	pcsxmmxmm	7x12x80

### Feed Rate

X/Y/Z-Axis Rapid Speed	m/min.	15/15/15
X/Y/Z-Max. Feed Rate	m/min.	10/10/10
X/Y/Z-Axis Motor Power	kW	0.85/0.85/0.85

### Accuracy

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

## Standard Configurations

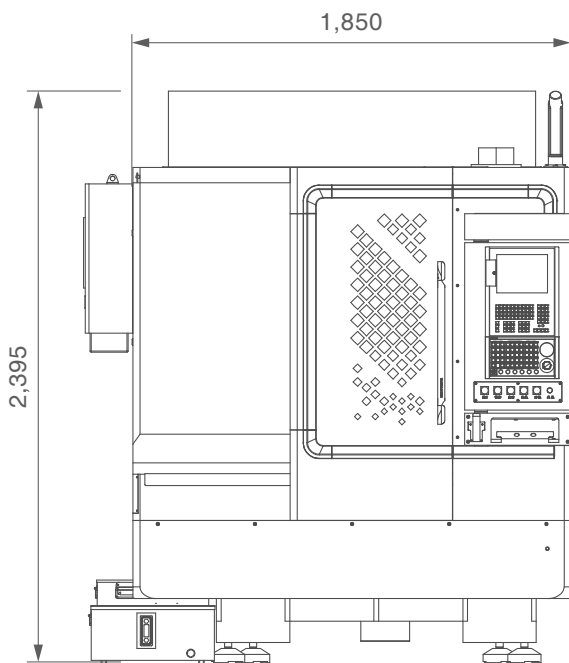
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock
Blow Gun	

## Optional Configurations

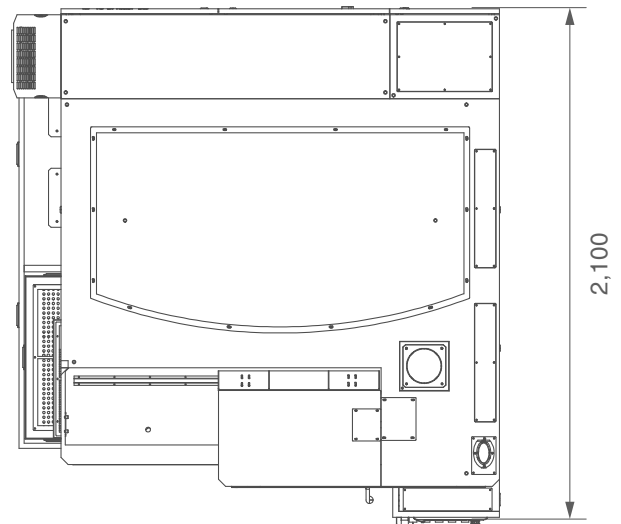
High Precision 3D Probe	Ultrasonic Amplitude Measuring Device
Oil-Mist Collector	5-Axis Simultaneous Machining System (with RTCP Function)
4/5th Axis Rotary Table	Non-Ultrasonic Extended Tool Magazine ETM-15 (A)
Automatic Door	Ultrasonic Extended Tool Magazine ETM-15 (A)
Contact Tool Setter	

## 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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