

Ultrasonic Precision

Engraving & Milling Center

ULM-500A



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	6
Motor Torque (Rate)	Nm	2.7
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: 14 Ultrasonic: 14
Max. Tool Diameter (Full)	mm	90
Max. Tool Length	mm	90
Max. Tool Weight	kg	3
Type	-	Umbrella Type

Miscellaneous

Power Supply Voltage	-	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	10.5
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>100
Total Weight (incl. Accessories)	kg	3500
Machine Size (L x W x H)	mm	1650 x 1880 x 2405

Travel

X/Y/Z-Axis Travel	mm	500×400×300
Spindle Nose to Table	mm	175-475

Worktable

Dimensions	mm	500X400
Max. Load	kg	200
T-Slot (No.xWidth×Distance)	pcs×mm×mm	4×12×100

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	0.75/0.75/0.75

Accuracy

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

Standard Configurations

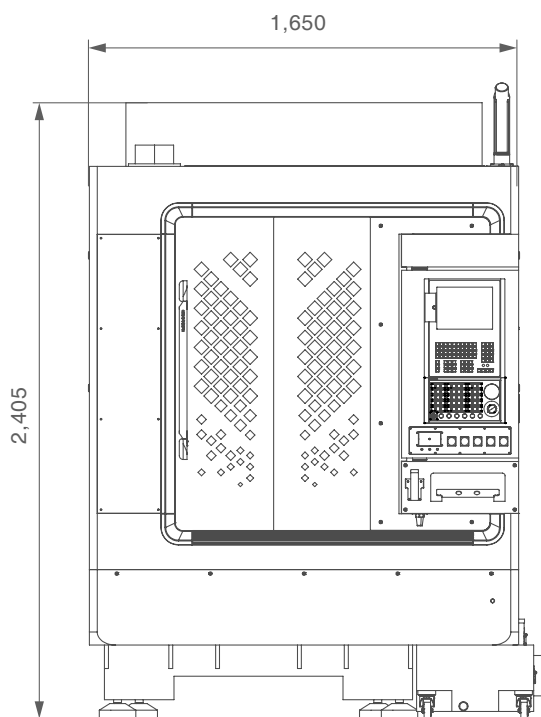
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock
Blow Gun	

Optional Configurations

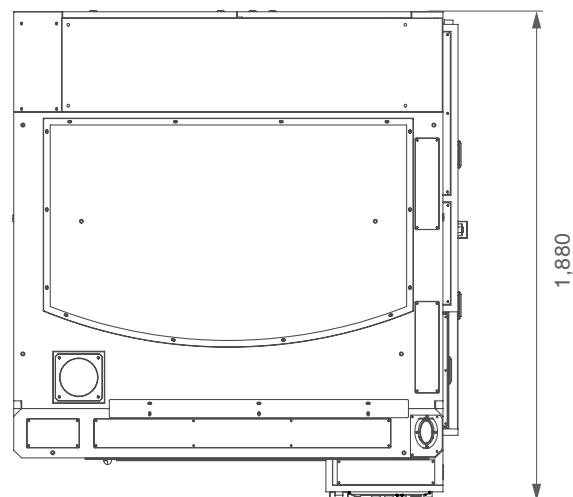
High Precision 3D Probe	Ultrasonic Amplitude Measuring Device
Oil-Mist Collector	5-Axis Simultaneous Machining System (with RTCP Function)
4/5th Axis Rotary Table	Non-Ultrasonic Extended Tool Magazine ETM-14 (A)
Automatic Door	Ultrasonic Extended Tool Magazine ETM-14 (A)
Contact Tool Setter	

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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