

Ultrasonic Precision Graphite Machining Center

UPG-500B



Technical Data

Controller

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

Spindle

Diameter	mm	Φ120
Max. Speed (Short-Duration)	rpm	30000
Max. Speed (Long-Duration)	rpm	24000
Power (Rated)	kW	7.5
Torque (Rated)	Nm	3.4
Spindle Taper	-	HSK-E40
Ultrasonic	-	Optional

Tool Magazine

Tool Holding Capacity	No. of Tools	12
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	12
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	1805 × 1890 × 2350

Travel

X/Y/Z-Axis Travel	mm	500×400×230
Spindle Nose to Table	mm	165-395

Worktable

Dimensions	mm	500×400
Max. Load	kg	200
T-Slot (No. x Width x Distance)	pcs×mm×mm	4×12×100

Feed Rate

X/Y/Z-Axis Rapid Speed	m/min.	15/15/15
X/Y/Z-Axis Max. Feed Rate	m/min.	10/10/10
X/Y/Z-Axis Motor Power	kW	0.8/0.8/0.8

Accuracy

X/Y/Z-Axis Positioning Accuracy	mm	0.003
X/Y/Z-Axis Repeatability	mm	0.002
Accuracy Grade	-	UP

Standard Configurations

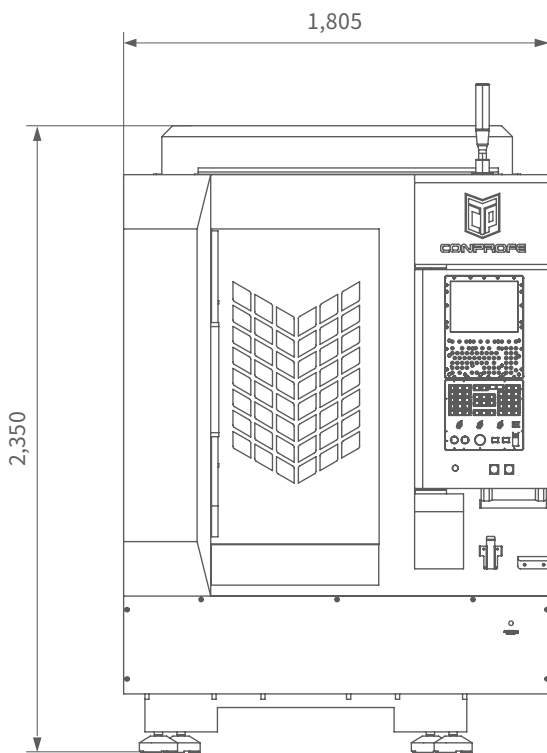
Automatic Centralized Lubrication System Electrical Cabinet Heat Exchanger
Spindle Chiller LED Work Light
High Precision Linear Encoders Three-Color Alarm Light
Handwheel Door Safety Interlock
Blow Gun

Optional Configurations

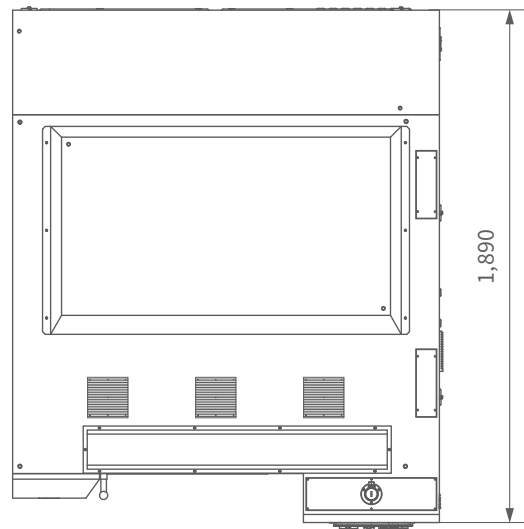
High Precision 3D Probe Contact Tool Setter
Dust Collector Laser Tool Setter
4/5th Axis Rotary Table Extended Tool Magazine ETM-14 /12
Automatic Door

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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