

Desktop Ultrasonic-Green Vertical 5-Axis Machining Center

UGV100D-5AXIS



Technical Data

Controller

CNC Controller	-	C50
----------------	---	-----

Travel

X/Y/Z-Axis Travel	mm	350×110×130
A/B-Axis Swivel Range	°	360° /±120°

Spindle

Diameter	mm	Φ80
Max. Speed (Short-Duration)	rpm	36,000
Max. Speed (Long-Duration)	rpm	24,000
Spindle Taper	-	HSK-E25
Ultrasonic	-	Standard
Minimum Quantity Lubrication (MQL)	-	Optional
Ultrasonic + MQL	-	Optional

Worktable

Dimensions	mm	Φ100
Max. Load	kg	5
Max. Workpiece Size	mm	Φ90×30

Tool Magazine

Tool Holding Capacity	No. of Tools	4
Max. Tool Diameter (Full)	mm	Φ10
Max. Tool Length	mm	40
Max. Tool Weight	kg	0.5
Type	-	Built-in Type

Feed Rate

X/Y/Z-Axis Rapid Speed	m/min	12/12/12
A/B-Axis Rapid Speed	rpm	60/40

Miscellaneous

Power Supply Voltage	-	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	9
Air Pressure	MPa	0.4-0.7
Total Air Consumption	L/min	5, 50-300 (With MQL)
Total Weight (incl. Accessories)	kg	500
Machine Size (L×W×H)	mm	1,330×1,150×1,370

Accuracy

X/Y/Z-Axis Positioning Accuracy	mm	0.005
X/Y/Z-Axis Repeatability	mm	0.003
A/B-Axis Positioning Accuracy	"	≤40
A/B-Axis Repeatability	"	≤8

Standard Configurations

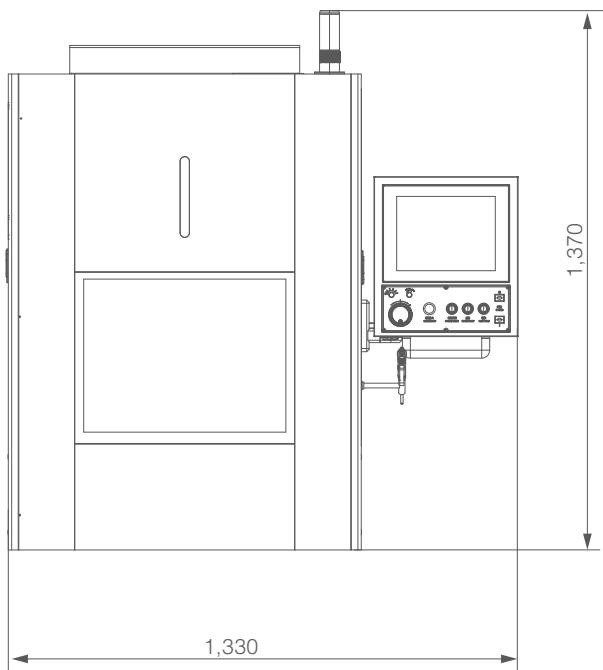
Coolant System	Through-Spindle Cooling Unit
Spindle Chiller	Automatic Storage System
Automatic Quantitative Lubrication System	Independent Display Controller
Automatic Door	Electrical Cabinet Heat Exchanger
Ultrasonic Machining Unit	Blow Gun

Optional Configuration

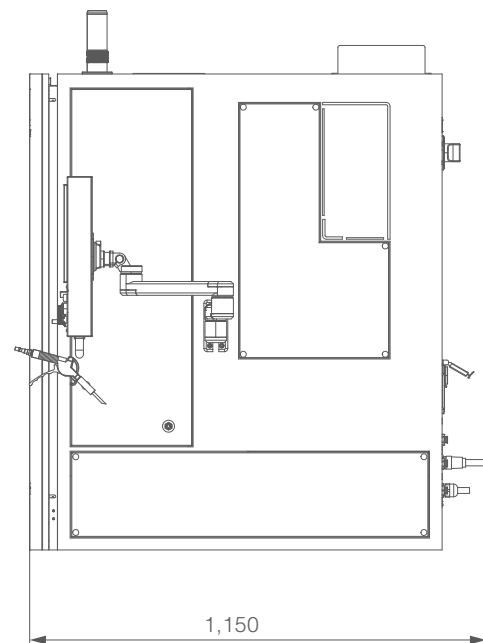
Minimum Quantity Lubrication (MQL) System

Floor Plans (Unit: mm)

Front View



Side 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

UGV100D-5AXIS 20240308 VE1.1