CONPROFE

Lightweight Ultrasonic-Green

Vertical 5-Axis Machining Center

UGV100L-5AXIS

Technical Data

Controller

CNC Controller	-	M30

Travel

X/Y/Z-Axis Travel	mm	340×100×120
A/B-Axis Swivel Range	°	360° /±125°

Spindle

Diameter	mm	Φ80
Max. Speed (Short-Duration)	rpm	36,000
Max. Speed (Long-Duration)	rpm	24,000
Spindle Taper	-	HSK-E25
Motor Power	kW	3.7
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	10
Max. Tool Diameter (Full)	mm	Φ10
Max. Tool Length	mm	55
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	5-600
Total Weight (incl. Accessories)	kg	790
Machine Size (L×W×H)	mm	1,010×1,120×1,940

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
Accuracy Grade	-	P

Standard Configurations

Ultrasonic Spindle HSK-E25 (3.7kW)

10T Disc-Type Tool Magazine

Coolant System

Constant Temperature Spindle Chiller

Automatic Quantitative Oil Injection System

Automatic Door

Ultrasonic Machining System

Electronic Cabinet Cooling System

Incl. 3 Tool Holders

Optional Configurations

Optional Fixture for Disc-Shape Blanks (Malone Bridge, Crown)

Optional Automatic Storage & Access System for Pre-Milled Titanium Blanks

Optional Automatic Storage & Access System for Pre-Milled Crowns

Optional Automatic Storage & Access System for Pre-Milled Titanium Blanks & Crowns

Cut-Off and Collection System (Abutments/Dental Crowns)

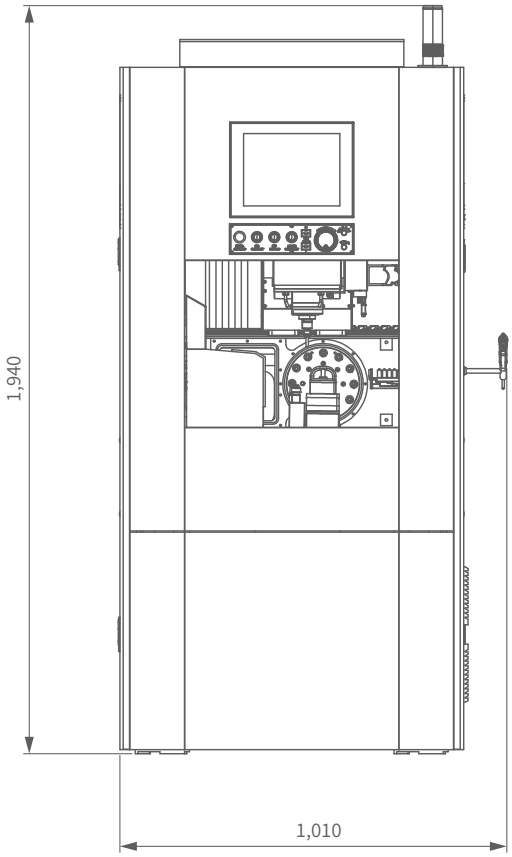
Through-Spindle Cooling Unit

Minimum Quantity Lubrication (MQL) System

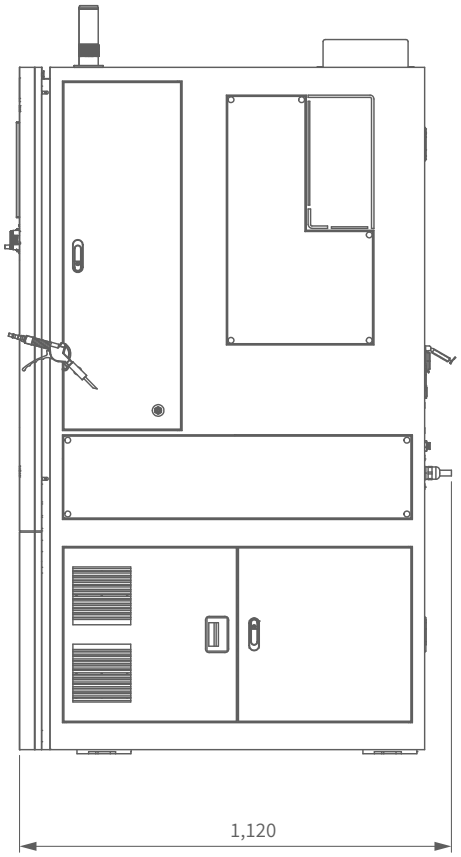
18T Disc-Type Tool Magazine

Floor Plans (Unit: mm)

Front View



Side View



Contact: Esther HU +86-138 2607 9999 **E-mail:** esther.hu@conprofetech.com
Address: No.6 2nd Nanyun Road, Science City, Hi-tech Development Zone, Guangzhou, 510663, P.R.C