

Ultrasonic High-Efficiency Vertical 5-Axis Machining Center



ULV1000-5AXIS

Technical Data

Controller

CNC Controller SIEMENS 840D SL (HEIDENHAIN / HNC Optional)

Spindle

Diameter	mm	Φ210
Max. Speed (Short-Duration)	rpm	12,000
Max. Speed (Long-Duration)	rpm	10,000
Spindle Taper	-	HSK-A100
Motor Power	kW	26
Motor Torque	Nm	161
Ultrasonic	-	Standard
Minimum Quantity Lubrication (MQL)	-	/
Ultrasonic + MQL	-	/

Tool Magazine

Tool Holding Capacity	No. of Tools	40
Max. Tool Diameter (Full)	mm	Φ85
Max. Tool Length	mm	320
Max. Tool Weight	kg	20
Tool Holder Spec.	-	HSK-A100
Type	-	Chain Type

Miscellaneous

Power Supply Voltage	-	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	110
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	> 100
Total Weight (incl. Accessories)	kg	25,000
Machine Size (L×W×H)	mm	3,400×4,350 × 4,220

Travel

X/Y/Z-Axis Travel	mm	1,250×1,250×1,000
A/C-Axis Swivel Range	°	±100 /360

Worktable

Dimensions	mm	Φ1,000
Max. Load	kg	1,000
T-Slot (No.×Width)	pcs×mm	8-18H8
Max. Workpiece Size	mm	Φ1,000X500

Feed Rate

X/Y/Z-Axis Rapid Speed	m/min.	30/30/30
A/C-Axis Rapid Speed	rpm	30/60

Accuracy

X/Y/Z-Axis Positioning Accuracy	mm	0.008
X/Y/Z-Axis Repeatability	mm	0.005
A/C-Axis Positioning Accuracy	"	15
A/C-Axis Repeatability	"	8
Accuracy Grade	-	P

Standard Configurations

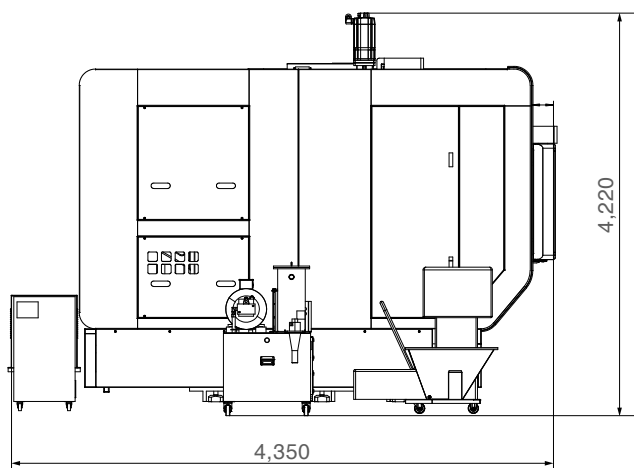
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electric Spindle	Anti-Collision System
Handwheel	Auto Chip Conveyor
Blow Gun	

Optional Configurations

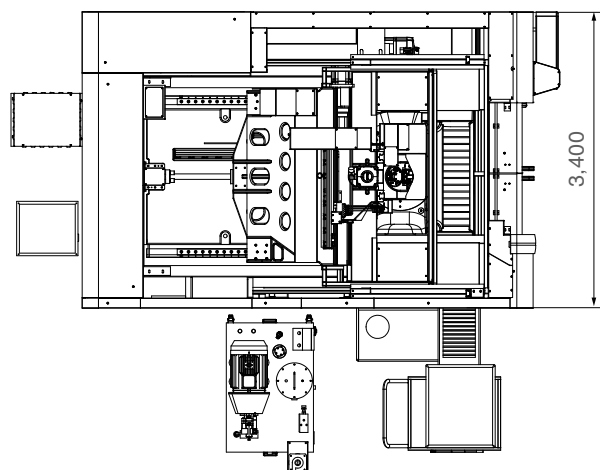
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
T64 Chain Type Tool Magazine
Spindle-Through Unit
Minimum Quantity Lubrication (MQL) System

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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