

# Ultrasonic-Green Vertical 5-Axis Machining Center

## SPV650-5AXIS



### Technical Data

#### Controller

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

#### Spindle

Diameter	mm	Φ 190
Max. Speed (Short-Duration)	rpm	20,000
Max. Speed (Long-Duration)	rpm	14,000
Spindle Taper	-	HSK-A63
Motor Power	kW	35
Motor Torque	Nm	85
Ultrasonic	-	/
Minimum Quantity Lubrication (MQL)	-	/
Ultrasonic + MQL	-	/

#### Tool Magazine

Tool Holding Capacity	No. of Tools	40
Max. Tool Diameter (Full)	mm	Φ 75
Max. Tool Length	mm	300
Max. Tool Weight	kg	8
Tool Holder Spec.	-	HSK-A63
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	16,500
Machine Size (L×W×H)	mm	2,940×4,310×3,310

#### Travel

X/Y/Z-Axis Travel	mm	800×1,000×550
A/C-Axis Swivel Range	°	±100/360

#### Worktable

Dimensions	mm	Φ 650
Max. Load	kg	800
T-Slot (No.×Width)	pcs×mm×mm	8-18H8
Max. Workpiece Size	mm	Φ 650×450

#### Feed Rate

X/Y/Z-Axis Rapid Speed	m/min.	36/36/30
A/C-Axis Rapid Speed	rpm	30/70

#### Accuracy

X/Y/Z-Axis Positioning Accuracy	mm	0.008
X/Y/Z-Axis Repeatability	mm	0.005
A/C-Axis Positioning Accuracy	"	8
A/C-Axis Repeatability	"	5
Accuracy Grade		P

## Standard Configurations

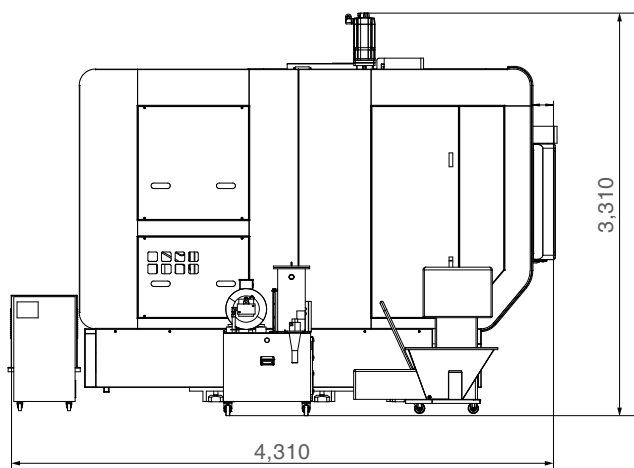
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electric Spindle	Anti-Collision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

## Optional Configurations

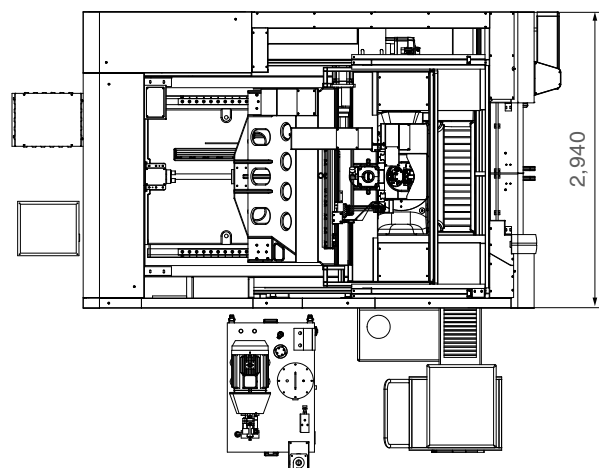
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
T64 Chain Type Tool Magazine
Spindle-Through Unit
Ultrasonic Machining System

## 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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