

Conprofe Ultrasonic-Green Machine Tools



7 Series

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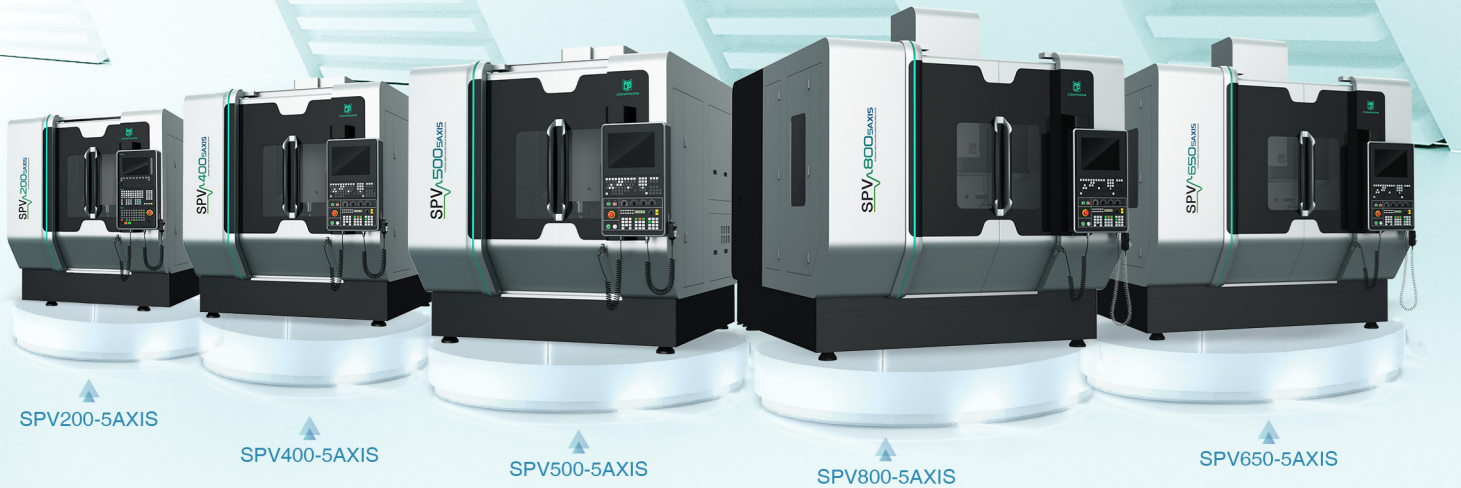
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Conprofe Vertical 5-Axis Simultaneous Machining Centers



The information given is not binding. The actual product and mutual agreement shall prevail.

SPV Series

Conprofe Machine Tool Co., Ltd. // Wholly-Owned Subsidiary of Conprofe Technology Group Co., Ltd.

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



Website



Direct Industry



LinkedIn

Ultrasonic-Green Vertical 5-Axis Machining Center

SPV200-5AXIS



Technical Data

Controller

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

Spindle

Diameter	mm	Φ100
Max. Speed (Short-Duration)	rpm	30,000
Max. Speed (Long-Duration)	rpm	25,000
Spindle Taper	-	HSK-E32
Motor Power	kW	6
Motor Torque	Nm	2.7
Ultrasonic	-	/
Minimum Quantity Lubrication (MQL)	-	/
Ultrasonic + MQL	-	/

Tool Magazine

Tool Holding Capacity	No. of Tools	40
Max. Tool Diameter (Full)	mm	Φ50
Max. Tool Length	mm	200
Max. Tool Weight	kg	5
Tool Holder Spec.	-	HSK-E32
Type	-	Chain Type

Miscellaneous

Power Supply Voltage	-	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	16
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>60
Total Weight (incl. Accessories)	kg	4,000
Machine Size (LxWxH)	mm	1,600x2,700x2,080

Travel

X/Y/Z-Axis Travel	mm	280x580x280
A/C-Axis Swivel Range	°	±120/360

Worktable

Dimensions	mm	Φ200
Max. Load	kg	30
T-Slot (No.xWidth)	pcsxmmxmm	4-14H8
Max. Workpiece Size	mm	Φ200x190

Feed Rate

X/Y/Z-Axis Rapid Speed	m/min	36/36/36
A/C-Axis Rapid Speed	rpm	100/200

Accuracy

X/Y/Z-Axis Positioning Accuracy	mm	0.007
X/Y/Z-Axis Repeatability	mm	0.004
A/C-Axis Positioning Accuracy	"	8
A/C-Axis Repeatability	"	4
Accuracy Grade	-	P

Standard Configurations

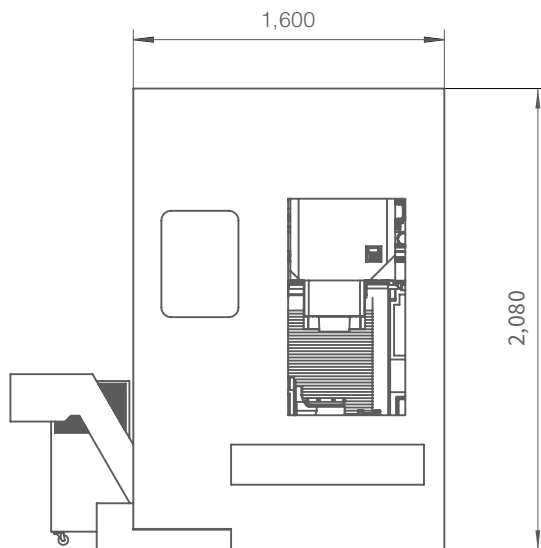
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electric Spindle	Anti-Collision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

Optional Configurations

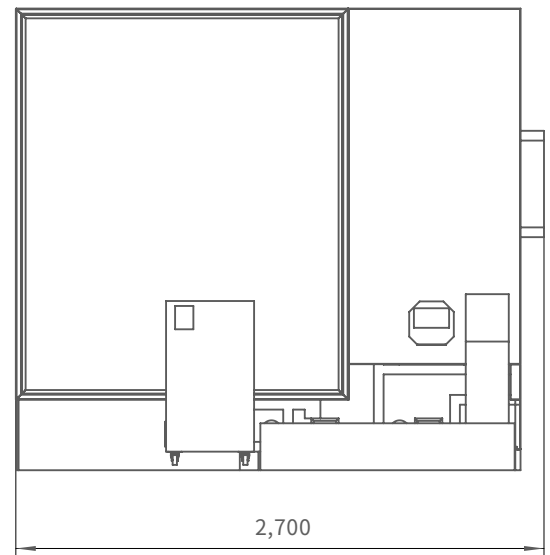
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
Spindle-Through Unit
Ultrasonic Machining System

Floor Plans (Unit: mm)

Front View



Top View



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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

SPV200-5AXIS 20240118 VE1.6

Ultrasonic-Green Vertical 5-Axis Machining Center

SPV400-5AXIS



Technical Data

Controller

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

Spindle

Diameter	mm	Φ155
Max. Speed (Short-Duration)	rpm	20,000
Max. Speed (Long-Duration)	rpm	16,000
Spindle Taper	-	HSK-A63
Motor Power	kW	22
Motor Torque	Nm	29.2
Ultrasonic	-	/
Minimum Quantity Lubrication (MQL)	-	/
Ultrasonic + MQL	-	/

Tool Magazine

Tool Holding Capacity	No. of Tools	40
Max. Tool Diameter (Full)	mm	Φ70
Max. Tool Length	mm	200
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	30
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	> 100
Total Weight (incl. Accessories)	kg	7,000
Machine Size (LxWxH)	mm	2,000×3,310×2,420

Travel

X/Y/Z-Axis Travel	mm	420×800×380
A/C-Axis Swivel Range	°	±120/360

Worktable

Dimensions	mm	Φ400
Max. Load	kg	200
T-Slot (No.xWidth)	pcs×mm×mm	8-12H8
Max. Workpiece Size	mm	Φ455×260

Feed Rate

X/Y/Z-Axis Rapid Speed	m/min	36/36/36
A/C-Axis Rapid Speed	rpm	100/150

Accuracy

X/Y/Z-Axis Positioning Accuracy	mm	0.007
X/Y/Z-Axis Repeatability	mm	0.004
A/C-Axis Positioning Accuracy	"	8
A/C-Axis Repeatability	"	4
Accuracy Grade	-	P

Standard Configurations

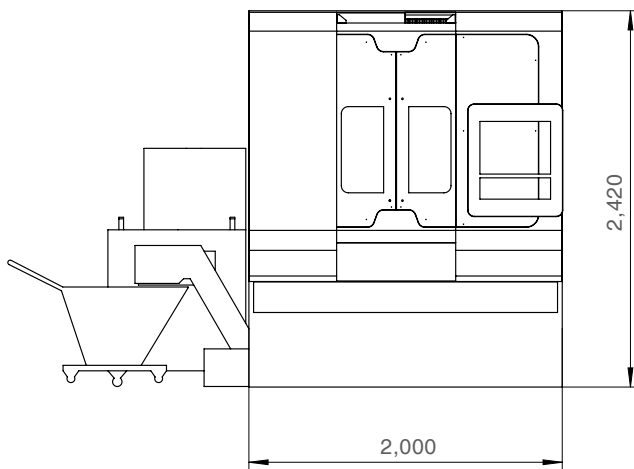
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electric Spindle	Anti-Collision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

Optional Configurations

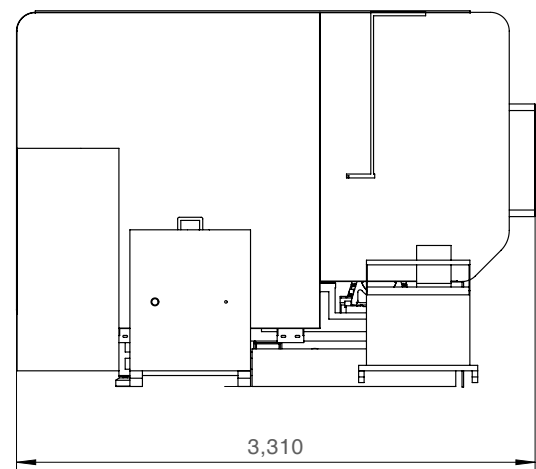
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
Spindle-Through Unit
Ultrasonic Machining System

Floor Plans (Unit: mm)

Front View



Top View



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SPV400-5AXIS 20240118 VE1.6

Ultrasonic-Green Vertical 5-Axis Machining Center

SPV500-5AXIS



Technical Data

Controller

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

Spindle

Diameter	mm	Φ190
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	24
Max. Tool Diameter (Full)	mm	Φ75
Max. Tool Length	mm	300
Max. Tool Weight	kg	8
Tool Holder Spec.	-	HSK-A63
Type	-	Umbrella Type

Miscellaneous

Power Supply Voltage	-	Three-phase AC, 380V/50Hz
Power Capacity	kVA	60
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	> 100
Total Weight (incl. Accessories)	kg	10,000
Machine Size (L×W×H)	mm	2,240×3,780×2,855

Travel

X/Y/Z-Axis Travel	mm	500×550×500
A/C-Axis Swivel Range	°	±120/360

Worktable

Dimensions	mm	Φ500
Max. Load	kg	300
T-Slot (No.×Width)	pcs×mm×mm	8-14H8
Max. Workpiece Size	mm	Φ500×400

Feed Rate

X/Y/Z-Axis Rapid Speed	m/min	36/36/30
A/C-Axis Rapid Speed	rpm	50/100

Accuracy

X/Y/Z-Axis Positioning Accuracy	mm	0.007
X/Y/Z-Axis Repeatability	mm	0.004
A/C-Axis Positioning Accuracy	"	8
A/C-Axis Repeatability	"	5
Accuracy Grade	-	P

Standard Configurations

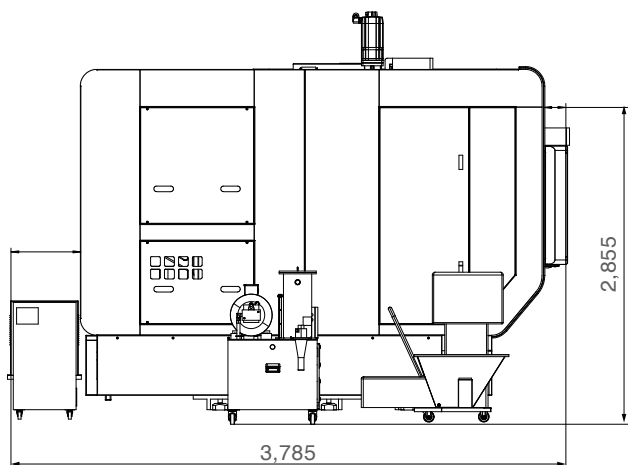
- Coolant System
- Automatic Centralized Lubrication System
- Spindle Chiller
- Contact Tool Setter
- HEIDENHAIN Linear Encoders
- Electric Spindle
- Handwheel
- Blow Gun
- Electrical Cabinet Heat Exchanger
- LED Work Light
- Three-Color Alarm Light
- Door Safety Interlock
- 5-Axis Simultaneous Machining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

Optional Configurations

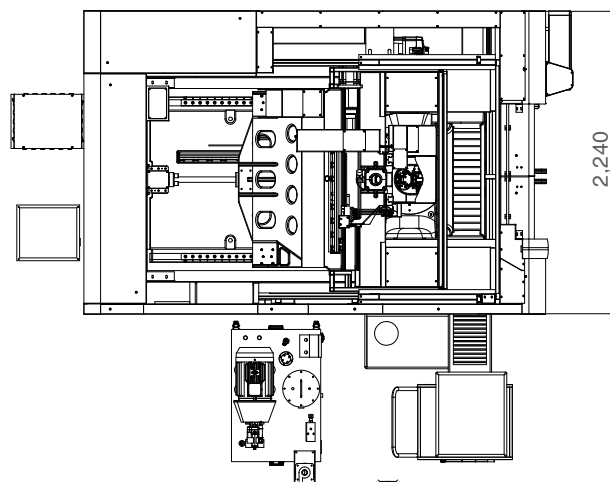
- High Precision 3D Probe
- Oil-Mist Collector
- Laser Tool Setter
- T40 Chain Type Tool Magazine
- Spindle-Through Unit
- Ultrasonic Machining System

Floor Plans (Unit: mm)

Front View



Top View



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Ultrasonic-Green Vertical 5-Axis Machining Center

SPV650-5AXIS



Technical Data

Controller

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

Spindle

Diameter	mm	Φ190
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	Φ75
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	Φ650
Max. Load	kg	800
T-Slot (No.×Width)	pcs×mm×mm	8-18H8
Max. Workpiece Size	mm	Φ650×450

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

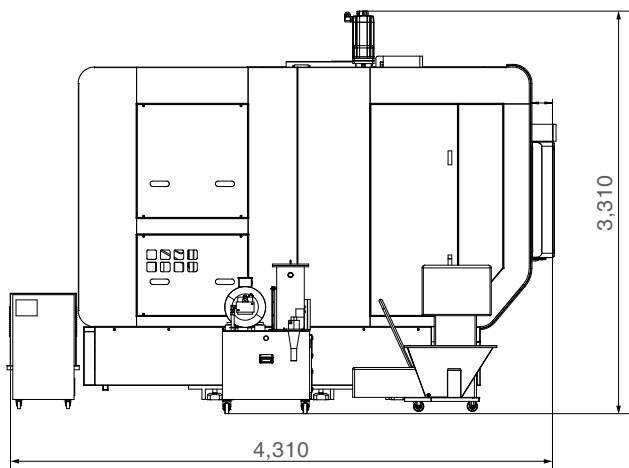
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electric Spindle	Anti-Collision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

Optional Configurations

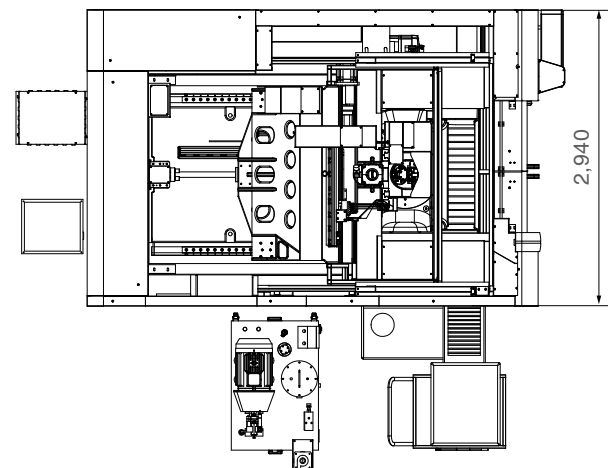
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
T64 Chain Type Tool Magazine
Spindle-Through Unit
Ultrasonic Machining System

Floor Plans (Unit: mm)

Front View



Top View



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SPV650-5AXIS 20240118 VE1.6

Ultrasonic-Green Vertical 5-Axis Machining Center

SPV800-5AXIS



Technical Data

Controller

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

Spindle

Diameter	mm	Φ190
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	Φ75
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	17,000
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	Φ800
Max. Load	kg	900
T-Slot (No.×Width)	pcs×mm×mm	8-18H8
Max. Workpiece Size	mm	Φ800×500

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

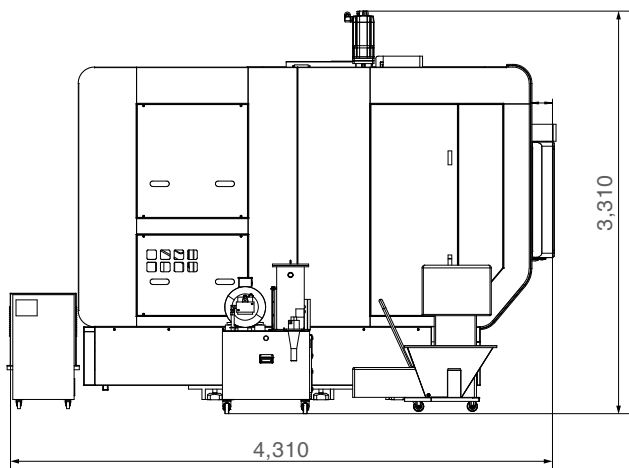
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electric Spindle	Anti-Collision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

Optional Configurations

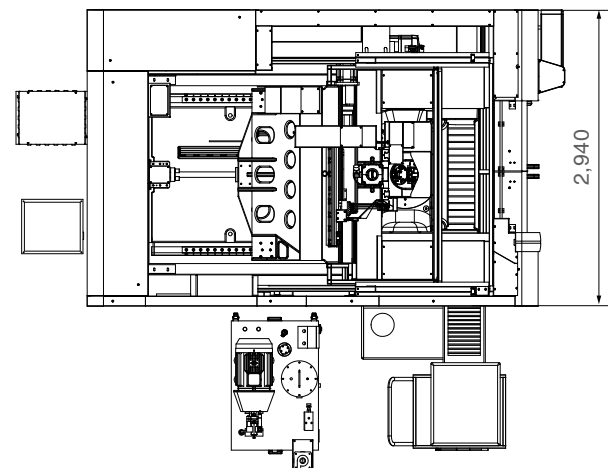
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
T64 Chain Type Tool Magazine
Spindle-Through Unit
Ultrasonic Machining System

Floor Plans (Unit: mm)

Front View



Top View



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SPV800-5AXIS 20240118 VE1.6

Ultrasonic-Green Vertical 5-Axis Machining Center

SPV1000-5AXIS



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	-	/
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 (LxWxH)	mm	3,400x4,350x4,220

Travel

X/Y/Z-Axis Travel	mm	1,250x1,250x1,000
A/C-Axis Swivel Range	°	±100/360

Worktable

Dimensions	mm	Φ1,000
Max. Load	kg	1,000
T-Slot (No.xWidth)	pcs×mm×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

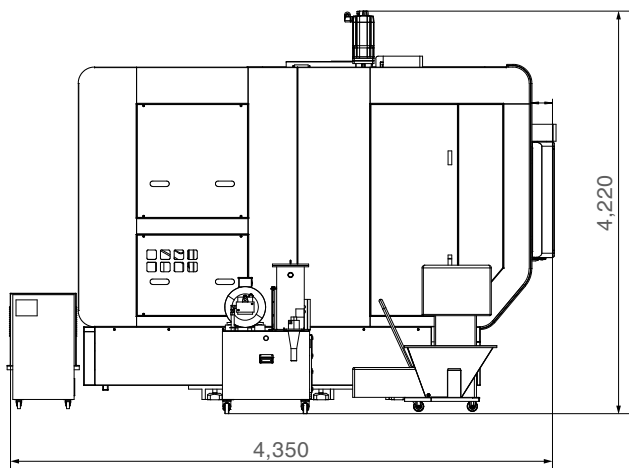
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electric Spindle	Anti-Collision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

Optional Configurations

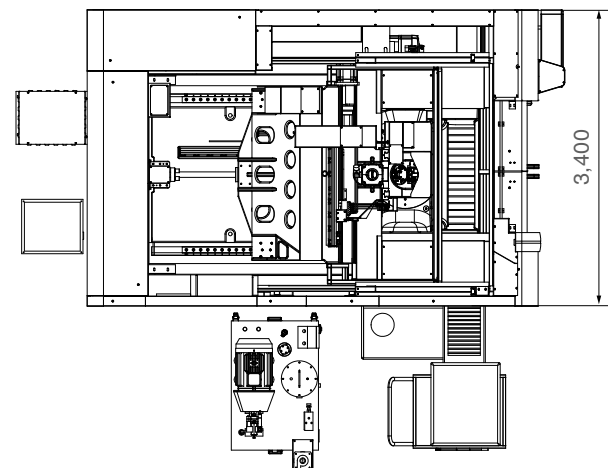
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
T64 Chain Type Tool Magazine
Spindle-Through Unit
Ultrasonic Machining System

Floor Plans (Unit: mm)

Front View



Top View



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SPV1000-5AXIS 20240118 VE1.6

Ultrasonic-Green Vertical 5-Axis Machining Center

SPV1250-5AXIS



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	-	/
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	-	Three-phase AC, 380V/50Hz
Power Capacity	kVA	110
Required Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	> 100
Total Weight (Including Accessories)	kg	26,000
Machine Size (LxWxH)	mm	3,400x4,350x4,220

Travel

X/Y/Z-Axis Travel	mm	1,250x1,250x1,000
A/C-Axis Swivel Range	°	±100/360

Worktable

Dimensions	mm	Φ1,200
Max. Load	kg	1,200
T-Slot (No.xWidth)	pcs×mm×mm	8-18H8
Max. Workpiece Size	mm	Φ1,200x550

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

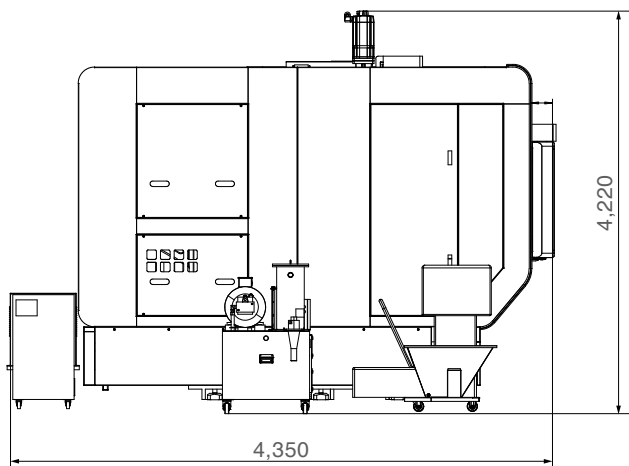
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Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electric Spindle	Anti-Collision System
Handwheel	Auto Chip Conveyor
Blow Gun	

Optional Configurations

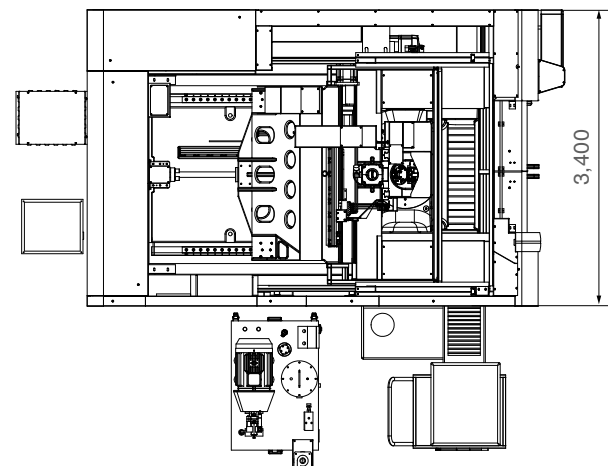
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
T64 Chain Type Tool Magazine
Spindle-Through Unit
Ultrasonic Machining System

Floor Plans (Unit: mm)

Front View



Top View



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SPV1250-5AXIS 20240118 VE1.6

Conprofe Vertical 5-Axis Simultaneous Machining Centers



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ULV Series

Conprofe Machine Tool Co., Ltd. // Wholly-Owned Subsidiary of Conprofe Technology Group Co., Ltd.

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Website



Direct Industry



LinkedIn

Ultrasonic High-Efficiency Vertical 5-Axis Machining Center

ULV200-5AXIS



Technical Data

Controller

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

Diameter	mm	Φ100
Max. Speed (Short-Duration)	rpm	30,000
Max. Speed (Long-Duration)	rpm	25,000
Spindle Taper	-	HSK-E32
Motor Power	kW	6
Motor Torque	Nm	2.7
Ultrasonic	-	Standard
Minimum Quantity Lubrication (MQL)	-	/
Ultrasonic + MQL	-	/

Tool Magazine

Tool Holding Capacity	No. of Tools	40
Max. Tool Diameter (Full)	mm	Φ50
Max. Tool Length	mm	200
Max. Tool Weight	kg	5
Tool Holder Spec.	-	HSK-E32
Type	-	Chain Type

Miscellaneous

Power Supply Voltage	-	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	16
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>60
Total Weight (incl. Accessories)	kg	4,000
Machine Size (LxWxH)	mm	1,600x2,700x2,080

Travel

X/Y/Z-Axis Travel	mm	280x580x280
A/C-Axis Swivel Range	°	±120 /360

Worktable

Dimensions	mm	Φ200
Max. Load	kg	30
T-Slot (No.xWidth)	pcsxmmxmm	4-14H8
Max. Workpiece Size	mm	Φ200X190

Feed Rate

X/Y/Z-Axis Rapid Speed	m/min	36/36/36
A/C-Axis Rapid Speed	rpm	100/200

Accuracy

X/Y/Z-Axis Positioning Accuracy	mm	0.007
X/Y/Z-Axis Repeatability	mm	0.004
A/C-Axis Positioning Accuracy	"	8
A/C-Axis Repeatability	"	4
Accuracy Grade	-	P

Standard Configurations

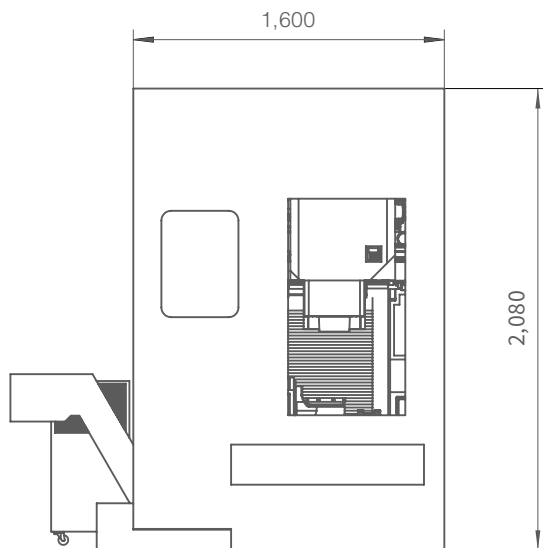
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electric Spindle	Anti-Collision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

Optional Configurations

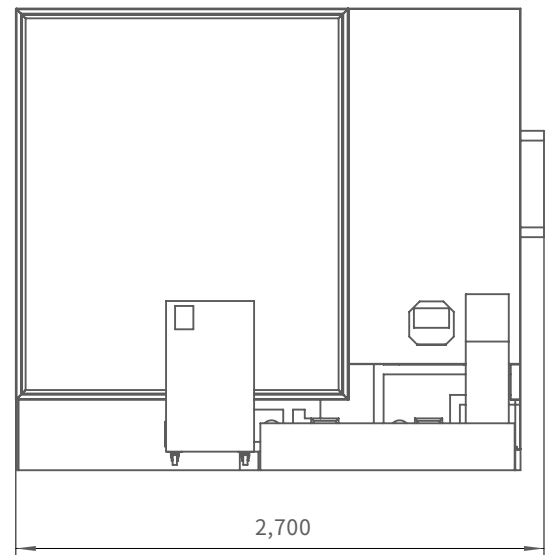
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
Spindle-Through Unit
Minimum Quantity Lubrication (MQL) System

Floor Plans (Unit: mm)

Front View



Top View



The information given is not binding. The actual product and mutual agreement shall prevail.

Contact: Esther HU +86-138 2607 9999

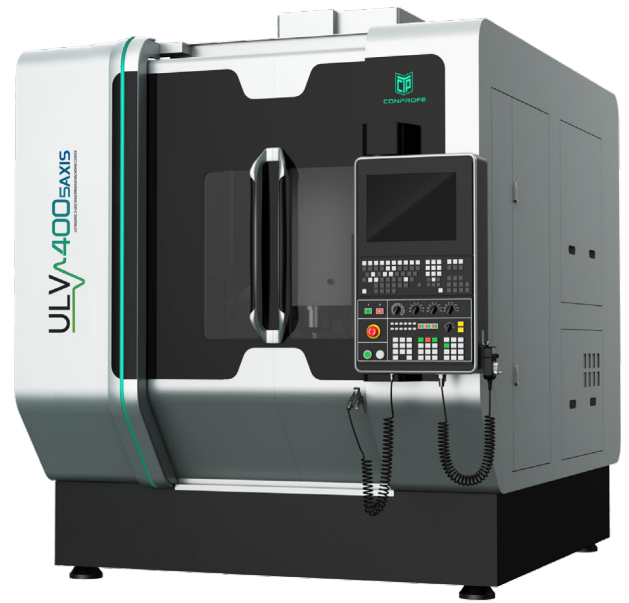
E-mail: esther.hu@conprofotech.com

Address: No.6 2nd Nanyun Road, Science City, Hi-tech Development Zone, Guangzhou, 510663, P.R.C

ULV200-5AXIS 20240118 VE2.3

Ultrasonic High-Efficiency Vertical 5-Axis Machining Center

ULV400-5AXIS



Technical Data

Controller

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

Diameter	mm	Φ155
Max. Speed (Short-Duration)	rpm	20,000
Max. Speed (Long-Duration)	rpm	16,000
Spindle Taper	-	HSK-A63
Motor Power	kW	22
Motor Torque	Nm	29.2
Ultrasonic	-	Standard
Minimum Quantity Lubrication (MQL)	-	/
Ultrasonic + MQL	-	/

Tool Magazine

Tool Holding Capacity	No. of Tools	40
Max. Tool Diameter (Full)	mm	Φ70
Max. Tool Length	mm	200
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	30
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	> 100
Total Weight (incl. Accessories)	kg	7,000
Machine Size (LxWxH)	mm	2,000x3,310x2,420

Travel

X/Y/Z-Axis Travel	mm	420x800x380
A/C-Axis Swivel Range	°	±120 /360

Worktable

Dimensions	mm	Φ400
Max. Load	kg	200
T-Slot (No.xWidth)	pcs×mm×mm	8-12H8
Max. Workpiece Size	mm	Φ455X260

Feed Rate

X/Y/Z-Axis Rapid Speed	m/min	36/36/36
A/C-Axis Rapid Speed	rpm	100/150

Accuracy

X/Y/Z-Axis Positioning Accuracy	mm	0.007
X/Y/Z-Axis Repeatability	mm	0.004
A/C-Axis Positioning Accuracy	"	8
A/C-Axis Repeatability	"	4
Accuracy Grade	-	P

Standard Configurations

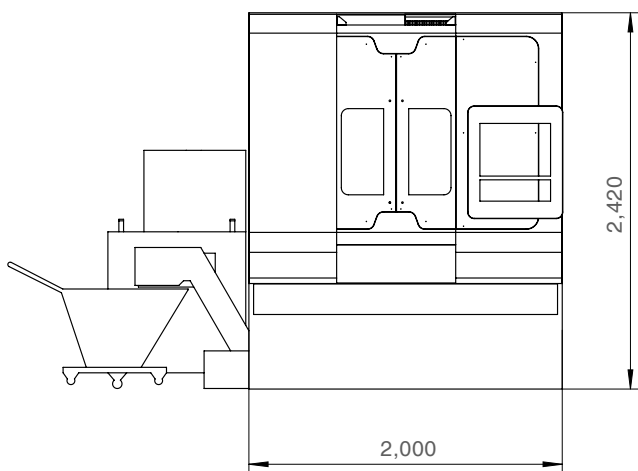
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electrical Spindle	Anti-Collision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

Optional Configurations

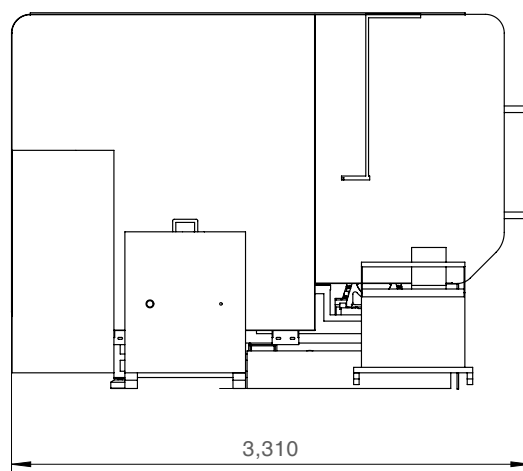
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
Spindle-Through Unit
Minimum Quantity Lubrication (MQL) System

Floor Plans (Unit: mm)

Front View



Top View



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Contact: Esther HU +86-138 2607 9999

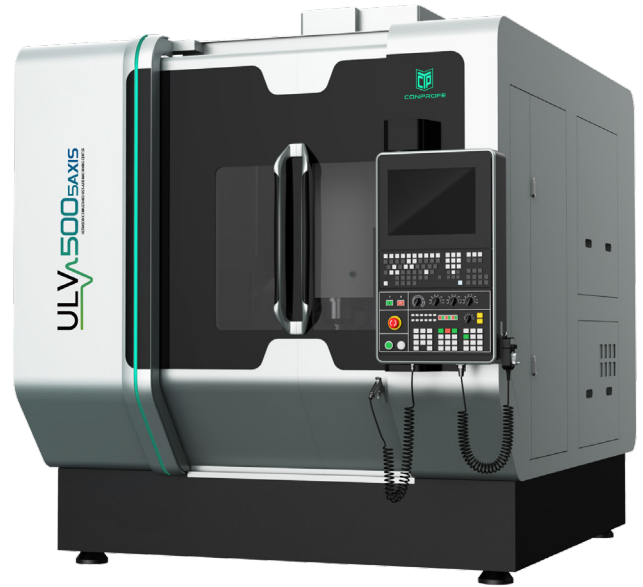
E-mail: esther.hu@conprofotech.com

Address: No.6 2nd Nanyun Road, Science City, Hi-tech Development Zone, Guangzhou, 510663, P.R.C

ULV400-5AXIS 20240118 VE2.4

Ultrasonic High-Efficiency Vertical 5-Axis Machining Center

ULV500-5AXIS



Technical Data

Controller

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

Diameter	mm	Φ190
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	-	Standard
Minimum Quantity Lubrication (MQL)	-	/
Ultrasonic + MQL	-	/

Tool Magazine

Tool Holding Capacity	No. of Tools	24
Max. Tool Diameter (Full)	mm	Φ75
Max. Tool Length	mm	300
Max. Tool Weight	kg	8
Tool Holder Spec.	-	HSK-A63
Type	-	Umbrella Type

Miscellaneous

Power Supply Voltage	-	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	60
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	> 100
Total Weight (incl. Accessories)	kg	10,000
Machine Size (LxWxH)	mm	2,240x 3,780 x2,855

Travel

X/Y/Z-Axis Travel	mm	500x550x500
A/C-Axis Swivel Range	°	±120 /360

Worktable

Dimensions	mm	Φ500
Max. Load	kg	300
T-Slot (No.xWidth)	pcsxmmxmm	8-14H8
Max. Workpiece Size	mm	Φ500X400

Feed Rate

X/Y/Z-Axis Rapid Speed	m/min	36/36/30
A/C-Axis Rapid Speed	rpm	50/100

Accuracy

X/Y/Z-Axis Positioning Accuracy	mm	0.007
X/Y/Z-Axis Repeatability	mm	0.004
A/C-Axis Positioning Accuracy	"	8
A/C-Axis Repeatability	"	5
Accuracy Grade	-	P

Standard Configurations

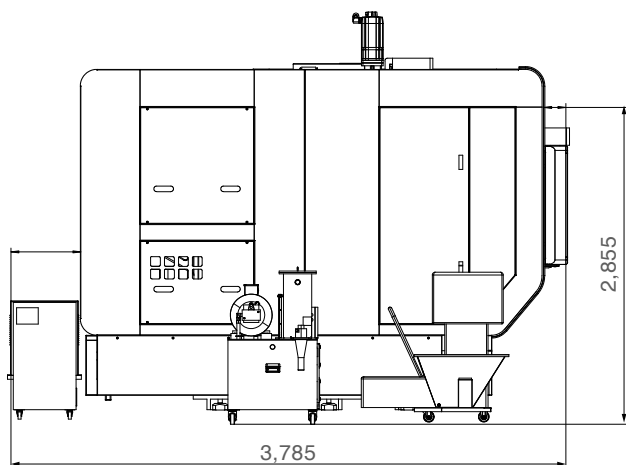
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electric Spindle	Anti-Collision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

Optional Configurations

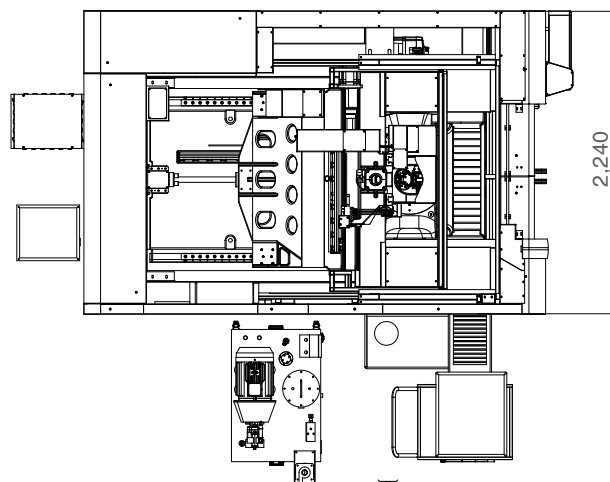
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
T40 Chain Type Tool Magazine
Spindle-Through Unit
Minimum Quantity Lubrication (MQL) System

Floor Plans (Unit: mm)

Front View



Top View



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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

ULV500-5AXIS 20240118 VE.2.4

Ultrasonic High-Efficiency Vertical 5-Axis Machining Center

ULV650-5AXIS



Technical Data

Controller

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

Spindle

Diameter	mm	Φ190
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	-	Standard
Minimum Quantity Lubrication (MQL)	-	/
Ultrasonic + MQL	-	/

Tool Magazine

Tool Holding Capacity	No. of Tools	40
Max. Tool Diameter (Full)	mm	Φ75
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 (LxWxH)	mm	2,940x 4,310 x3,310

Travel

X/Y/Z-Axis Travel	mm	800x1,000x550
A/C-Axis Swivel Range	°	±100 /360

Worktable

Dimensions	mm	Φ650
Max. Load	kg	800
T-Slot (No.xWidth)	pcsxmmxmm	8-18H8
Max. Workpiece Size	mm	Φ650X450

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

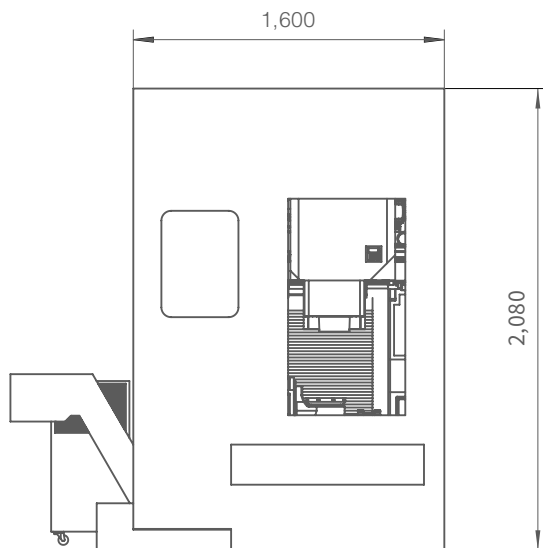
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electrical Spindle	Anti-Collision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

Optional Configurations

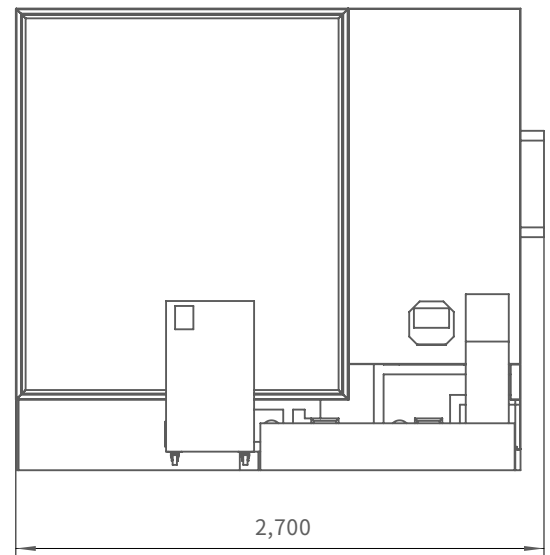
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
T64 Chain Type Tool Magazine
Spindle-Through Unit
Minimum Quantity Lubrication (MQL) System

Floor Plans (Unit: mm)

Front View



Top View



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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

ULV650-5AXIS 20240118 VE2.4

Ultrasonic High-Efficiency Vertical 5-Axis Machining Center

ULV800-5AXIS



Technical Data

Controller

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

Spindle

Diameter	mm	Φ190
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	-	Standard
Minimum Quantity Lubrication (MQL)	-	/
Ultrasonic + MQL	-	/

Tool Magazine

Tool Holding Capacity	No. of Tools	40
Max. Tool Diameter (Full)	mm	Φ75
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	17,000
Machine Size (LxWxH)	mm	2,940x 4,310 x3,310

Travel

X/Y/Z-Axis Travel	mm	800x1,000x550
A/C-Axis Swivel Range	°	±100 /360

Worktable

Dimensions	mm	Φ800
Max. Load	kg	900
T-Slot (No.xWidth)	pcsxmmxmm	8-18H8
Max. Workpiece Size	mm	Φ800X500

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

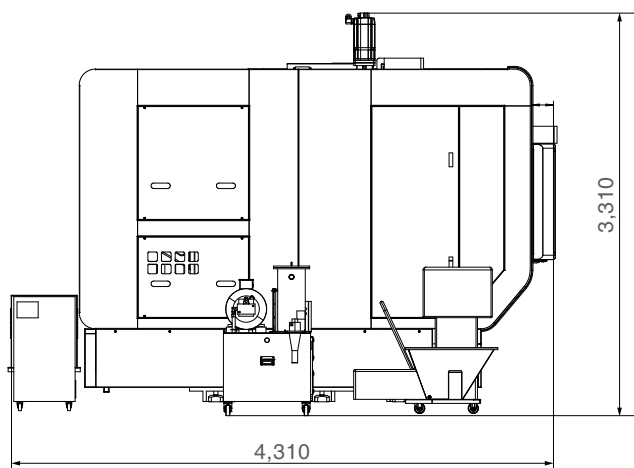
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electric Spindle	Anti-Collision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

Optional Configurations

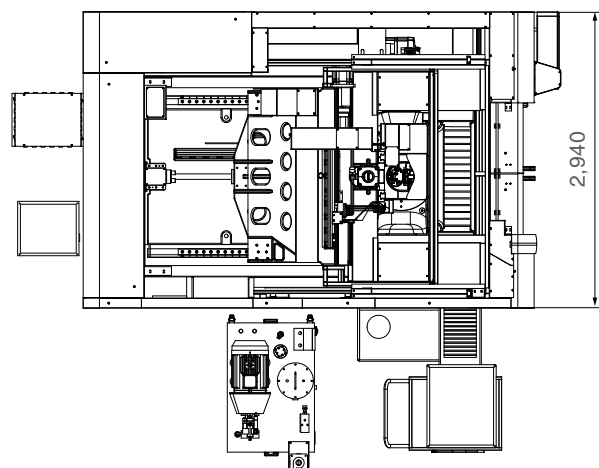
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
T64 Chain Type Tool Magazine
Spindle-Through Unit
Minimum Quantity Lubrication (MQL) System

Floor Plans (Unit: mm)

Front View



Top View



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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

ULV800-5AXIS 20240118 VE.4

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×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

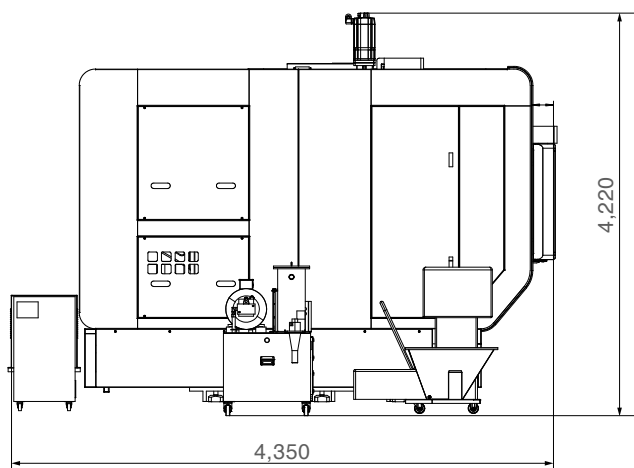
- Coolant System
- Automatic Centralized Lubrication System
- Spindle Chiller
- Contact Tool Setter
- HEIDENHAIN Linear Encoders
- Electric Spindle
- Handwheel
- Blow Gun
- Electrical Cabinet Heat Exchanger
- LED Work Light
- Three-Color Alarm Light
- Door Safety Interlock
- 5-Axis Simultaneous Machining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

Optional Configurations

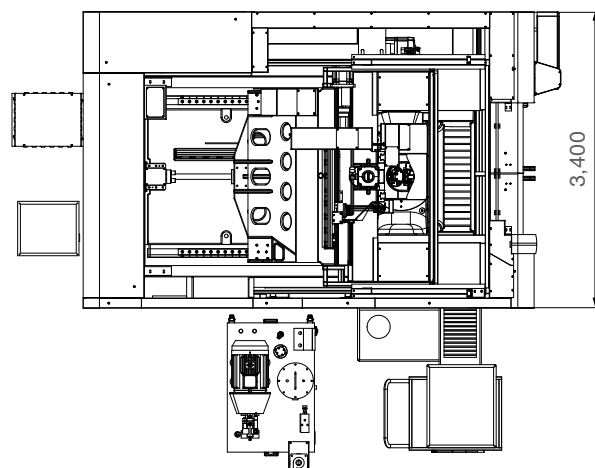
- High Precision 3D Probe
- Oil-Mist Collector
- Laser Tool Setter
- T64 Chain Type Tool Magazine
- Spindle-Through Unit
- Minimum Quantity Lubrication (MQL) System

Floor Plans (Unit: mm)

Front View



Top View



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Ultrasonic High-Efficiency Vertical 5-Axis Machining Center

ULV1250-5AXIS



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	26,000
Machine Size (LxWxH)	mm	3,400x4,350 x 4,220

Travel

X/Y/Z-Axis Travel	mm	1,250x1,250x1,000
A/C-Axis Swivel Range	°	±100 /360

Worktable

Dimensions	mm	Φ1,200
Max. Load	kg	1,200
T-Slot (No.xWidth)	pcs×mm×mm	8-18H8
Max. Workpiece Size	mm	Φ1,200X550

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

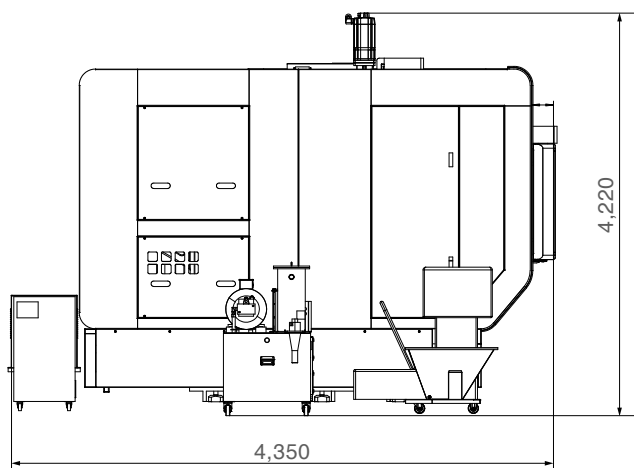
- Coolant System
- Automatic Centralized Lubrication System
- Spindle Chiller
- Contact Tool Setter
- HEIDENHAIN Linear Encoders
- Electric Spindle
- Handwheel
- Blow Gun
- Electrical Cabinet Heat Exchanger
- LED Work Light
- Three-Color Alarm Light
- Door Safety Interlock
- 5-Axis Simultaneous Machining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

Optional Configurations

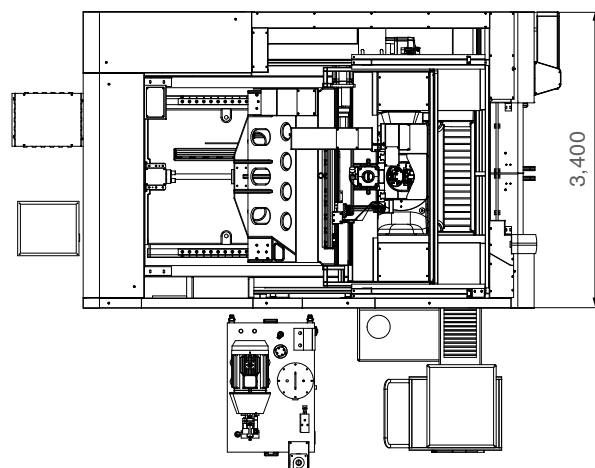
- High Precision 3D Probe
- Oil-Mist Collector
- Laser Tool Setter
- T64 Chain Type Tool Magazine
- Spindle-Through Unit
- Minimum Quantity Lubrication (MQL) System

Floor Plans (Unit: mm)

Front View



Top View



The information given is not binding. The actual product and mutual agreement shall prevail.

Conprofe Engraving & Milling Centers



ULM Series 

The information given is not binding. The actual product and mutual agreement shall prevail.

ULM Series

Conprofe Machine Tool Co., Ltd. // Wholly-Owned Subsidiary of Conprofe Technology Group Co., Ltd.

Contact: Esther HU +86-138 2607 9999

E-mail: esther.hu@conprofetech.com

Web: www.conprofecnc.com

Address: No.6 2nd Nanyun Road, Science City, Hi-tech Development Zone, Guangzhou, 510663, P.R.C



Website



Direct Industry



LinkedIn

Ultrasonic Precision

Engraving & Milling Center

JLM-400A



Technical Data

Controller

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

Spindle

Diameter	mm	Φ80
Max. Speed (Short-Duration)	rpm	40,000
Max. Speed (Long-Duration)	rpm	32,000
Motor Power (Rated)	kW	3.7
Motor Torque (Rate)	Nm	1.17
Spindle Taper	-	ISO20
Ultrasonic	-	Optional
Minimum Quantity Lubrication (MQL)	-	/
Ultrasonic + MQL	-	/
Supercritical CO ₂ Spindle	-	/

Tool Magazine

	No. of Tools	
Tool Holding Capacity		Non-Ultrasonic: 14
		Ultrasonic: 12
Max. Tool Diameter (Full)	mm	60
Max. Tool Length	mm	75
Max. Tool Weight	kg	3
Type	-	Umbrella Type

Miscellaneous

Power Supply Voltage	-	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	8
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>100
Total Weight (incl. Accessories)	kg	2,100
Machine Size (L x W x H)	mm	1,245 x 1,750 x 2,130

Travel

X/Y/Z-Axis Travel	mm	400x400x150
Spindle Nose to Table	mm	210-360

Worktable

Dimensions	mm	400X400
Max. Load	kg	100
T-Slot (No.xWidthxDistance)	pcsxmmxmm	5x12x80

Feed Rate

X/Y/Z-Axis Rapid Speed	m/min	15/15/15
X/Y/Z-Axis Max. Feed	m/min	10/10/10
X/Y/Z-Axis Motor Power	kW	0.75/0.75/0.75

Accuracy

X/Y/Z-Axis Positioning Accuracy	mm	0.005
X/Y/Z-Axis Repeatability	mm	0.003
Accuracy Grade	-	UP

Standard Configurations

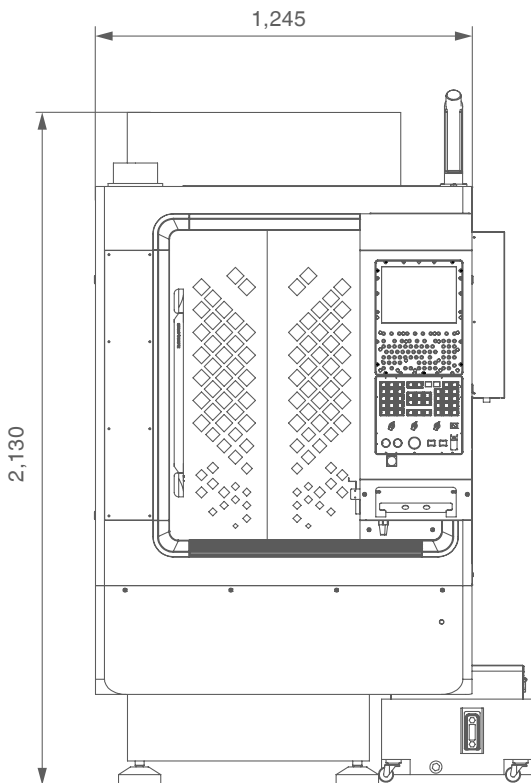
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock
Blow Gun	

Optional Configurations

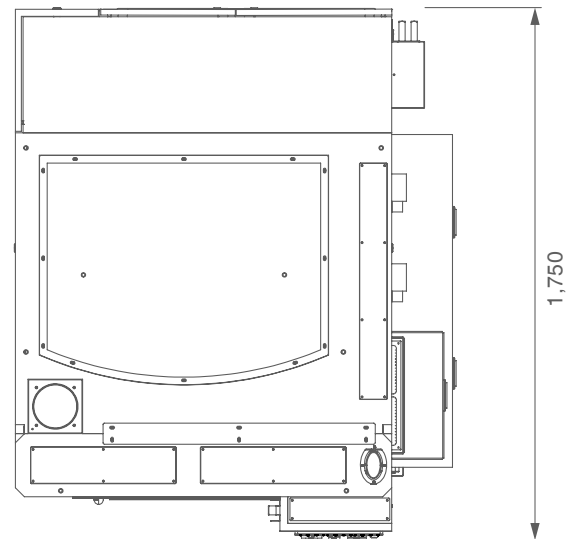
High Precision 3D Probe	Ultrasonic Amplitude Measuring Device
Oil-Mist Collector	5-Axis Simultaneous Machining System (with RTCP Function)
4/5th Axis Rotary Table	Non-Ultrasonic Extended Tool Magazine ETM-14 (A)
Automatic Door	Ultrasonic Extended Tool Magazine ETM-12 (A)
Contact Tool Setter	

Floor Plans (Unit: mm)

Front View



Top View



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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

ULM-400A 20240118 VE1.9

Ultrasonic Precision

Engraving & Milling Center

JLM-400B



Technical Data

Controller

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

Spindle

Diameter	mm	Φ80
Max. Speed (Short-Duration)	rpm	50,000
Max. Speed (Long-Duration)	rpm	40,000
Motor Power (Rated)	kW	3.7
Motor Torque (Rate)	Nm	1.17
Spindle Taper	-	HSK-E25
Ultrasonic	-	Optional
Minimum Quantity Lubrication (MQL)	-	/
Ultrasonic + MQL	-	/
Supercritical CO ₂ Spindle	-	/

Tool Magazine

	No. of Tools	
Tool Holding Capacity		Non-Ultrasonic: 14
		Ultrasonic: 13
Max. Tool Diameter (Full)	mm	60
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	8
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>100
Total Weight (incl. Accessories)	kg	2,100
Machine Size (L x W x H)	mm	1,245 x 1,750 x 2,130

Travel

	mm	
X/Y/Z-Axis Travel		400×400×150
Spindle Nose to Table	mm	215-365

Worktable

	mm	
Dimensions		400X400
Max. Load	kg	100
T-Slot (No.xWidthxDistance)	pcs×mm×mm	5×12×80

Feed Rate

	m/min	
X/Y/Z-Axis Rapid Speed		15/15/15
X/Y/Z-Axis Max. Feed	m/min	10/10/10
X/Y/Z-Axis Motor Power	kW	0.75/0.75/0.75

Accuracy

	mm	
X/Y/Z-Axis Positioning Accuracy		0.005
X/Y/Z-Axis Repeatability	mm	0.003
Accuracy Grade	-	UP

Standard Configurations

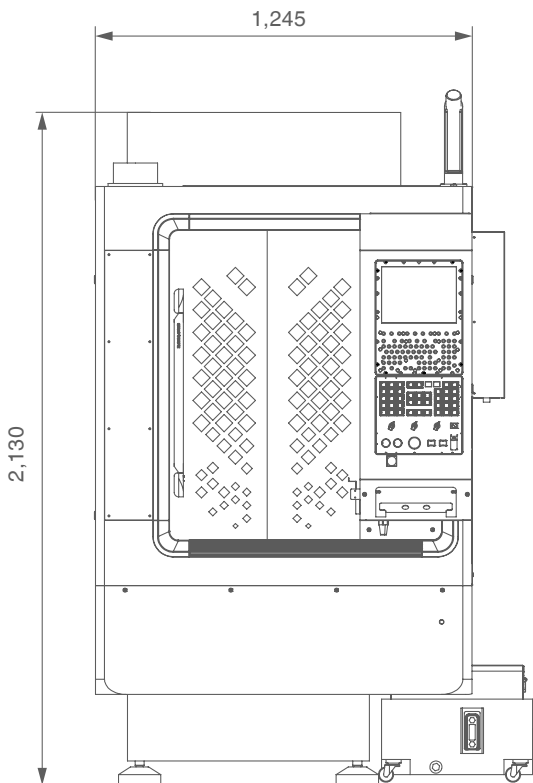
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock
Blow Gun	

Optional Configurations

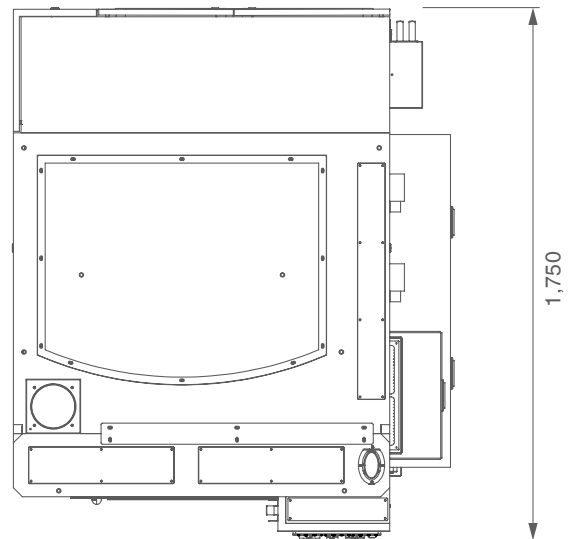
High Precision 3D Probe	Ultrasonic Amplitude Measuring Device
Oil-Mist Collector	5-Axis Simultaneous Machining System (with RTCP Function)
4/5th Axis Rotary Table	Non-Ultrasonic Extended Tool Magazine ETM-14 (B)
Automatic Door	Ultrasonic Extended Tool Magazine ETM-13 (B)
Contact Tool Setter	

Floor Plans (Unit: mm)

Front View



Top View



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E-mail: esther.hu@conprofotech.com

Address: No.6 2nd Nanyun Road, Science City, Hi-tech Development Zone, Guangzhou, 510663, P.R.C

ULM-400B 20240118 VE1.9

Ultrasonic Precision

Engraving & Milling Center

JLM-400C



Technical Data

Controller

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

Spindle

Diameter	mm	Φ100
Max. Speed (Short-Duration)	rpm	40,000
Max. Speed (Long-Duration)	rpm	32,000
Motor Power (Rated)	kW	6
Motor Torque (Rate)	Nm	2.7
Spindle Taper	-	HSK-E32
Ultrasonic	-	Optional
Minimum Quantity Lubrication (MQL)	-	/
Ultrasonic + MQL	-	/
Supercritical CO ₂ Spindle	-	/

Tool Magazine

	No. of Tools	
Tool Holding Capacity		Non-Ultrasonic: 11
		Ultrasonic: 11
Max. Tool Diameter (Full)	mm	60
Max. Tool Length	mm	75
Max. Tool Weight	kg	3
Type	-	Umbrella Type

Miscellaneous

Power Supply Voltage	-	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	10
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>100
Total Weight (incl. Accessories)	kg	2,100
Machine Size (L x W x H)	mm	1,245 x 1,750 x 2130

Travel

	mm	
X/Y/Z-Axis Travel		400×400×150
Spindle Nose to Table	mm	185-335

Worktable

	mm	
Dimensions		400X400
Max. Load	kg	100
T-Slot (No.xWidthxDistance)	pcs×mm×mm	5×12×80

Feed Rate

	m/min	
X/Y/Z-Axis Rapid Speed		15/15/15
X/Y/Z-Axis Max. Feed	m/min	10/10/10
X/Y/Z-Axis Motor Power	kW	0.75/0.75/0.75

Accuracy

	mm	
X/Y/Z-Axis Positioning Accuracy		0.005
X/Y/Z-Axis Repeatability	mm	0.003
Accuracy Grade	-	UP

Standard Configurations

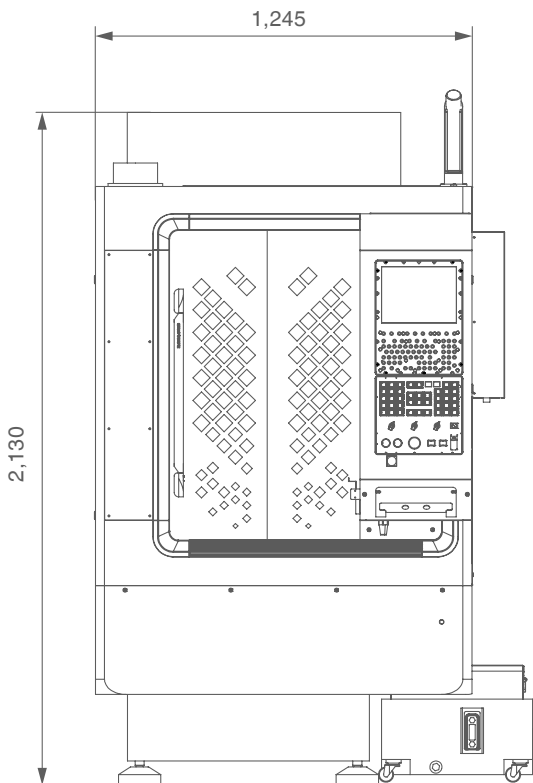
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock
Blow Gun	

Optional Configurations

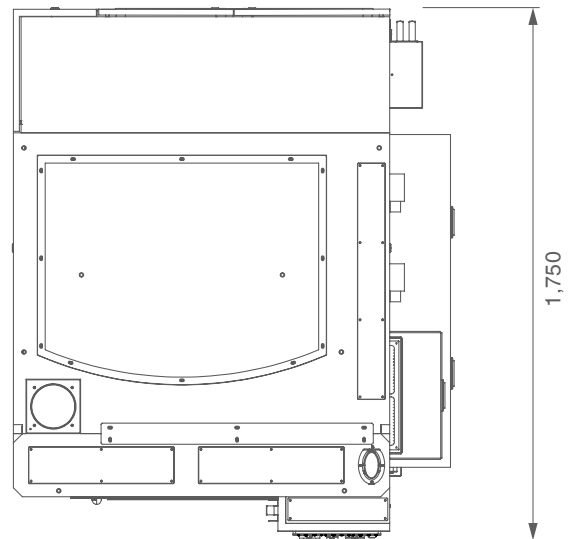
High Precision 3D Probe	Ultrasonic Amplitude Measuring Device
Oil-Mist Collector	5-Axis Simultaneous Machining System (with RTCP Function)
4/5th Axis Rotary Table	Non-Ultrasonic Extended Tool Magazine ETM-11 (C)
Automatic Door	Ultrasonic Extended Tool Magazine ETM-11 (C)
Contact Tool Setter	

Floor Plans (Unit: mm)

Front View



Top View



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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

ULM-400C 20240118 VE2.0

Ultrasonic Precision

Engraving & Milling Center

UJM-500A



Technical Data

Controller

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

Spindle

Diameter	mm	Φ100
Max. Speed (Short-Duration)	rpm	40,000
Max. Speed (Long-Duration)	rpm	32,000
Motor Power (Rated)	kW	6
Motor Torque (Rate)	Nm	2.7
Spindle Taper	-	HSK-E32
Ultrasonic	-	Optional
Minimum Quantity Lubrication (MQL)	-	/
Ultrasonic + MQL	-	/
Supercritical CO ₂ Spindle	-	/

Tool Magazine

	No. of Tools	
Tool Holding Capacity		Non-Ultrasonic: 14
		Ultrasonic: 14
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	10.5
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>100
Total Weight (incl. Accessories)	kg	3,500
Machine Size (L x W x H)	mm	1,650 x 1,880 x 2,405

Travel

	mm	
X/Y/Z-Axis Travel		500×400×300
Spindle Nose to Table	mm	175-475

Worktable

	mm	
Dimensions		500X400
Max. Load	kg	200
T-Slot (No.xWidthxDistance)	pcs×mm×mm	4×12×100

Feed Rate

	m/min	
X/Y/Z-Axis Rapid Speed		15/15/15
X/Y/Z-Axis Max. Feed	m/min	10/10/10
X/Y/Z-Axis Motor Power	kW	0.75/0.75/0.75

Accuracy

	mm	
X/Y/Z-Axis Positioning Accuracy		0.005
X/Y/Z-Axis Repeatability	mm	0.003
Accuracy Grade	-	UP

Standard Configurations

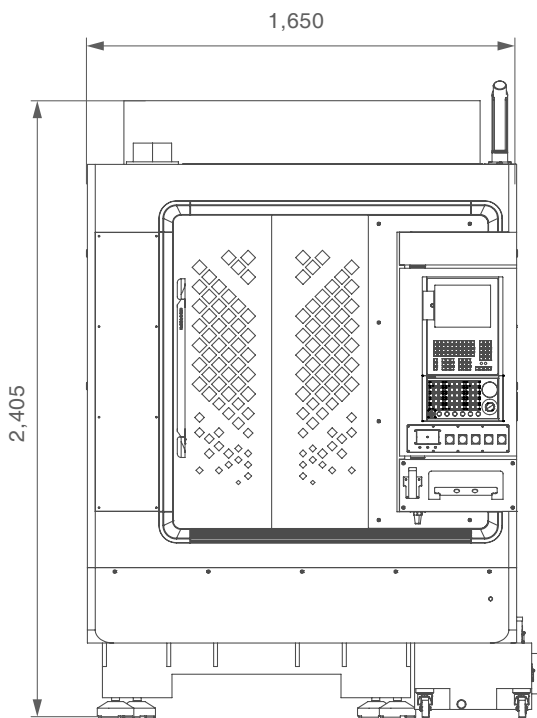
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock
Blow Gun	

Optional Configurations

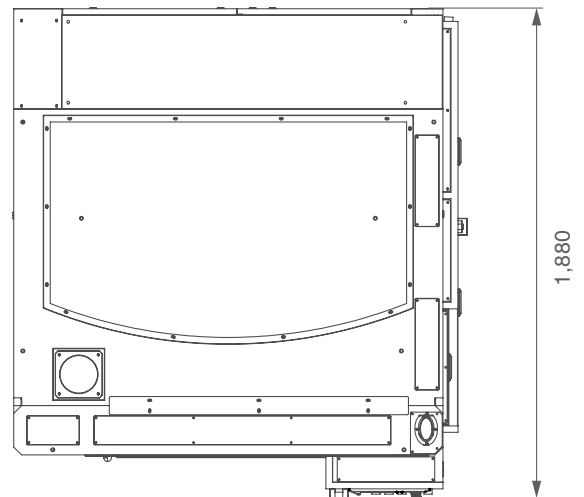
High Precision 3D Probe	Ultrasonic Amplitude Measuring Device
Oil-Mist Collector	5-Axis Simultaneous Machining System (with RTCP Function)
4/5th Axis Rotary Table	Non-Ultrasonic Extended Tool Magazine ETM-14 (A)
Automatic Door	Ultrasonic Extended Tool Magazine ETM-14 (A)
Contact Tool Setter	

Floor Plans (Unit: mm)

Front View



Top View



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Ultrasonic Precision

Engraving & Milling Center

UJM-500B



Technical Data

Controller

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

Spindle

Diameter	mm	Φ120
Max. Speed (Short-Duration)	rpm	30,000
Max. Speed (Long-Duration)	rpm	24,000
Motor Power (Rated)	kW	7.5
Motor Torque (Rate)	Nm	3.4
Spindle Taper	-	HSK-E40
Ultrasonic	-	Optional
Minimum Quantity Lubrication (MQL)	-	/
Ultrasonic + MQL	-	/
Supercritical CO ₂ Spindle	-	/

Tool Magazine

	No. of Tools	
Tool Holding Capacity		Non-Ultrasonic: 12
		Ultrasonic: 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	3,500
Machine Size (L x W x H)	mm	1,650 x 1,880 x 2,405

Travel

	mm	
X/Y/Z-Axis Travel		500×400×300
Spindle Nose to Table	mm	175-475

Worktable

	mm	
Dimensions		500X400
Max. Load	kg	200
T-Slot (No.xWidthxDistance)	pcs×mm×mm	4×12×100

Feed Rate

	m/min	
X/Y/Z-Axis Rapid Speed		15/15/15
X/Y/Z-Axis Max. Feed	m/min	10/10/10
X/Y/Z-Axis Motor Power	kW	0.75/0.75/0.75

Accuracy

	mm	
X/Y/Z-Axis Positioning Accuracy		0.005
X/Y/Z-Axis Repeatability	mm	0.003
Accuracy Grade	-	UP

Standard Configurations

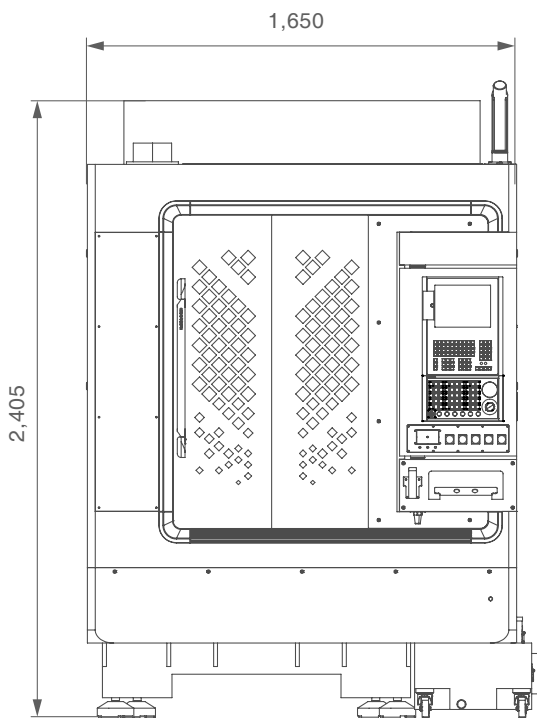
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock
Blow Gun	

Optional Configurations

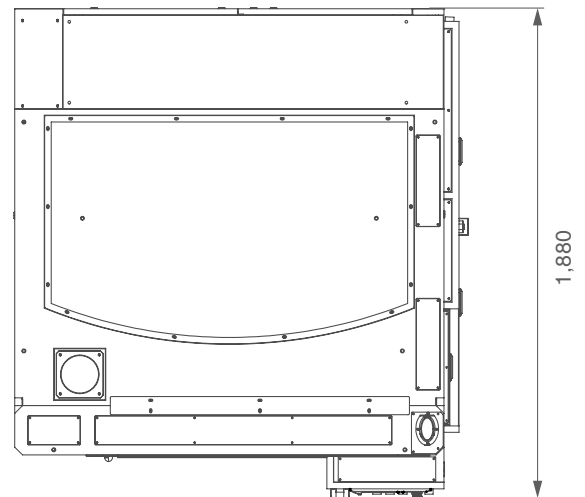
High Precision 3D Probe	Ultrasonic Amplitude Measuring Device
Oil-Mist Collector	5-Axis Simultaneous Machining System (with RTCP Function)
4/5th Axis Rotary Table	Non-Ultrasonic Extended Tool Magazine ETM-12 (B)
Automatic Door	Ultrasonic Extended Tool Magazine ETM-12(B)
Contact Tool Setter	

Floor Plans (Unit: mm)

Front View



Top View



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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

ULM-500B 20240118 VE1.9

Ultrasonic Precision

Engraving & Milling Center

JLM-600A



Technical Data

Controller

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

Spindle

Diameter	mm	Φ100
Max. Speed (Short-Duration)	rpm	40,000
Max. Speed (Long-Duration)	rpm	32,000
Motor Power (Rated)	kW	Y: 6 Δ: 20
Motor Torque (Rate)	Nm	Y: 2.7 Δ: 24.8
Spindle Taper	-	HSK-E32
Ultrasonic	-	Optional
Minimum Quantity Lubrication (MQL)	-	/
Ultrasonic + MQL	-	/
Supercritical CO ₂ Spindle	-	/

Tool Magazine

	No. of Tools	
Tool Holding Capacity		Non-Ultrasonic: 15
		Ultrasonic: 15
Max. Tool Diameter (Full)	mm	130
Max. Tool Length	mm	80
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	5,000
Machine Size (L x W x H)	mm	1,850 x 2,100 x 2,395

Travel

X/Y/Z-Axis Travel	mm	600x500x300
Spindle Nose to Table	mm	130-430

Worktable

Dimensions	mm	620x560
Max. Load	kg	300
T-Slot (No.xWidthxDistance)	pcsxmmxmm	7x12x80

Feed Rate

X/Y/Z-Axis Rapid Speed	m/min	15/15/15
X/Y/Z-Axis Max. Feed	m/min	10/10/10
X/Y/Z-Axis Motor Power	kW	0.85/0.85/0.85

Accuracy

X/Y/Z-Axis Positioning Accuracy	mm	0.005
X/Y/Z-Axis Repeatability	mm	0.003
Accuracy Grade	-	UP

Standard Configurations

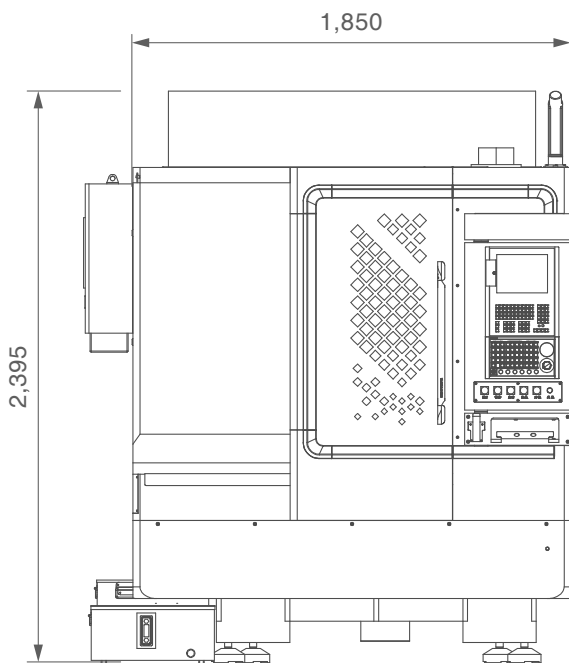
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock
Blow Gun	

Optional Configurations

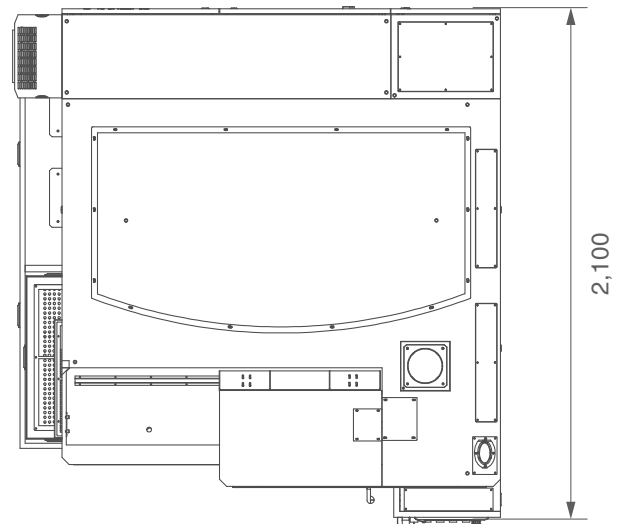
High Precision 3D Probe	Ultrasonic Amplitude Measuring Device
Oil-Mist Collector	5-Axis Simultaneous Machining System (with RTCP Function)
4/5th Axis Rotary Table	Non-Ultrasonic Extended Tool Magazine ETM-15 (A)
Automatic Door	Ultrasonic Extended Tool Magazine ETM-15 (A)
Contact Tool Setter	

Floor Plans (Unit: mm)

Front View



Top View



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Address: No.6 2nd Nanyun Road, Science City, Hi-tech Development Zone, Guangzhou, 510663, P.R.C

ULM-600A 20240118 VE1.9

Ultrasonic Precision

Engraving & Milling Center

JLM-600B



Technical Data

Controller

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

Spindle

Diameter	mm	Φ120
Max. Speed (Short-Duration)	rpm	30,000
Max. Speed (Long-Duration)	rpm	24,000
Motor Power (Rated)	kW	Y: 7.5 Δ: 20
Motor Torque (Rate)	Nm	Y: 3.4 Δ: 24.8
Spindle Taper	-	HSK-E40
Ultrasonic	-	Optional
Minimum Quantity Lubrication (MQL)	-	/
Ultrasonic + MQL	-	/
Supercritical CO ₂ Spindle	-	/

Tool Magazine

	No. of Tools	
Tool Holding Capacity		Non-Ultrasonic: 13
		Ultrasonic: 13
Max. Tool Diameter (Full)	mm	140
Max. Tool Length	mm	80
Max. Tool Weight	kg	3
Type	-	Umbrella Type

Miscellaneous

Power Supply Voltage	-	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	14
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>100
Total Weight (incl. Accessories)	kg	5,000
Machine Size (L x W x H)	mm	1,850 x 2,100 x 2,395

Travel

	mm	
X/Y/Z-Axis Travel		600x500x300
Spindle Nose to Table	mm	130-430

Worktable

	mm	
Dimensions		620x560
Max. Load	kg	300
T-Slot (No.xWidthxDistance)	pcsxmmxmm	7x12x80

Feed Rate

	m/min	
X/Y/Z-Axis Rapid Speed		15/15/15
X/Y/Z-Axis Max. Feed	m/min	10/10/10
X/Y/Z-Axis Motor Power	kW	0.85/0.85/0.85

Accuracy

	mm	
X/Y/Z-Axis Positioning Accuracy		0.005
X/Y/Z-Axis Repeatability	mm	0.003
Accuracy Grade	-	UP

Standard Configurations

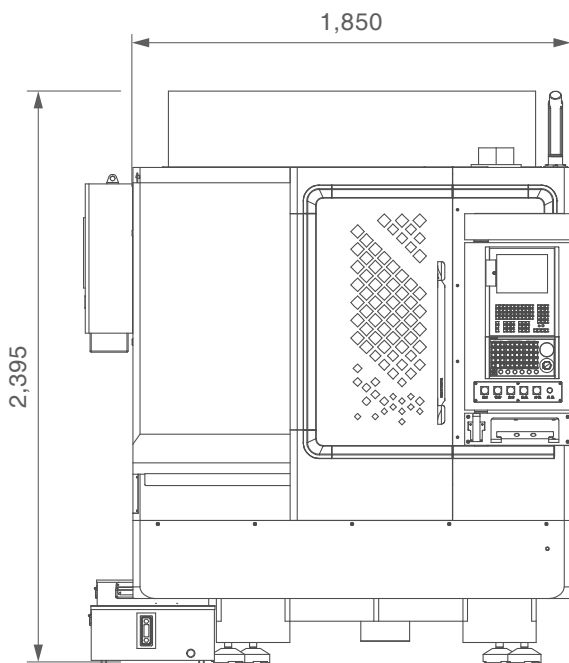
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock
Blow Gun	

Optional Configurations

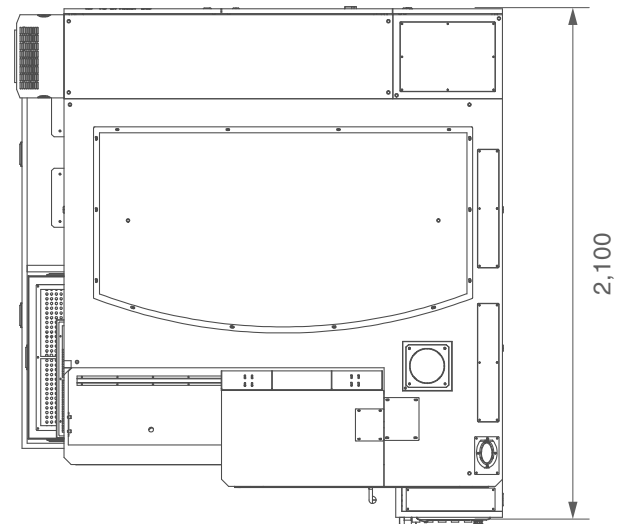
High Precision 3D Probe	Ultrasonic Amplitude Measuring Device
Oil-Mist Collector	5-Axis Simultaneous Machining System (with RTCP Function)
4/5th Axis Rotary Table	Non-Ultrasonic Extended Tool Magazine ETM-3 (B)
Automatic Door	Ultrasonic Extended Tool Magazine ETM-13 (B)
Contact Tool Setter	

Floor Plans (Unit: mm)

Front View



Top View



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E-mail: esther.hu@conprofotech.com

Address: No.6 2nd Nanyun Road, Science City, Hi-tech Development Zone, Guangzhou, 510663, P.R.C

ULM-600B 20240118 VE1.9

Ultrasonic Precision

Engraving & Milling Center

UJM-600C



Technical Data

Controller

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

Spindle

Diameter	mm	Φ150
Max. Speed (Short-Duration)	rpm	18,000
Max. Speed (Long-Duration)	rpm	14,400
Motor Power (Rated)	kW	Y: 15 Δ: 20
Motor Torque (Rate)	Nm	Y: 39.6 Δ: 24.8
Spindle Taper	-	HSK-A63
Ultrasonic	-	Optional
Minimum Quantity Lubrication (MQL)	-	/
Ultrasonic + MQL	-	/
Supercritical CO ₂ Spindle	-	/

Tool Magazine

	No. of Tools	
Tool Holding Capacity		Non-Ultrasonic: 9
		Ultrasonic: 9
Max. Tool Diameter (Full)	mm	110
Max. Tool Length	mm	70
Max. Tool Weight	kg	3
Type	-	Umbrella Type

Miscellaneous

Power Supply Voltage	-	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	27
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>100
Total Weight (incl. Accessories)	kg	5,000
Machine Size (L x W x H)	mm	1,850 x 2,100 x 2,395

Travel

X/Y/Z-Axis Travel	mm	600x500x300
Spindle Nose to Table	mm	150-450

Worktable

Dimensions	mm	620x560
Max. Load	kg	300
T-Slot (No.xWidthxDistance)	pcs×mm×mm	7×12×80

Feed Rate

X/Y/Z-Axis Rapid Speed	m/min	15/15/15
X/Y/Z-Axis Max. Feed	m/min	10/10/10
X/Y/Z-Axis Motor Power	kW	0.85/0.85/0.85

Accuracy

X/Y/Z-Axis Positioning Accuracy	mm	0.005
X/Y/Z-Axis Repeatability	mm	0.003
Accuracy Grade	-	UP

Standard Configurations

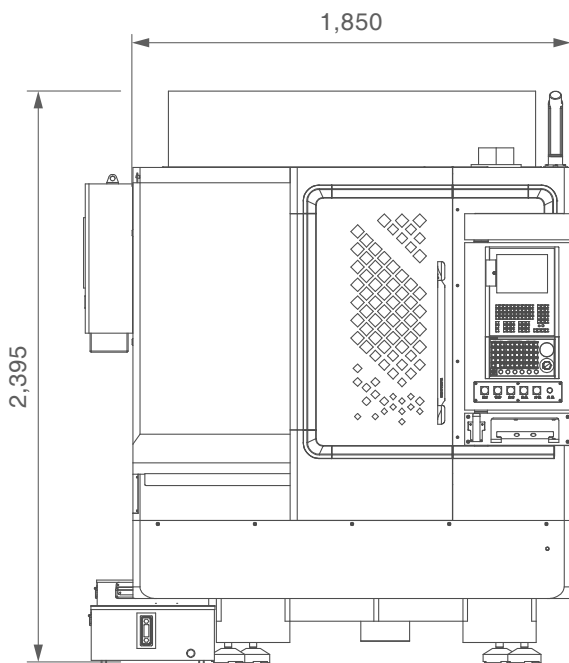
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock
Blow Gun	

Optional Configurations

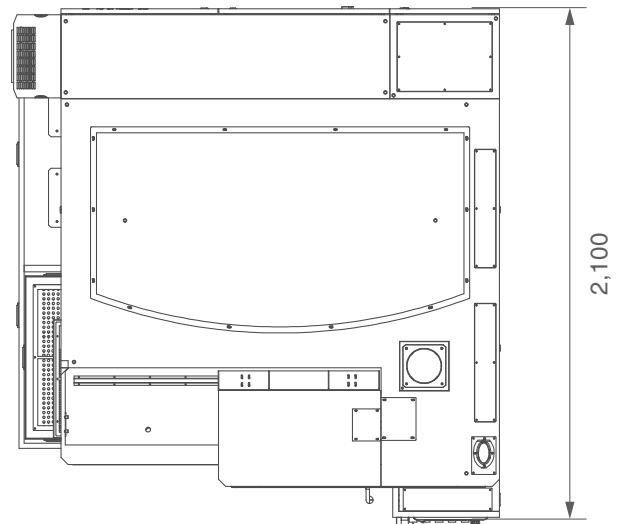
High Precision 3D Probe	Ultrasonic Amplitude Measuring Device
Oil-Mist Collector	5-Axis Simultaneous Machining System (with RTCP Function)
4/5th Axis Rotary Table	Non-Ultrasonic Extended Tool Magazine ETM-9 (C)
Automatic Door	Ultrasonic Extended Tool Magazine ETM-9 (C)
Contact Tool Setter	

Floor Plans (Unit: mm)

Front View



Top View



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E-mail: esther.hu@conprofotech.com

Address: No.6 2nd Nanyun Road, Science City, Hi-tech Development Zone, Guangzhou, 510663, P.R.C

ULM-600C 20240118 VE1.8

Ultrasonic Precision

Engraving & Milling Center

UJM-800A



Technical Data

Controller

CNC Controller SIEMENS 828D-280

Spindle

Diameter	mm	Φ100
Max. Speed (Short-Duration)	rpm	40,000
Max. Speed (Long-Duration)	rpm	32,000
Motor Power (Rated)	kW	Y: 6 Δ: 20
Motor Torque (Rate)	Nm	Y: 2.7 Δ: 24.8
Spindle Taper	-	HSK-E32
Ultrasonic	-	Optional
Minimum Quantity Lubrication (MQL)	-	/
Ultrasonic + MQL	-	/
Supercritical CO ₂ Spindle	-	/

Tool Magazine

Tool Holding Capacity	No. of Tools	Non-Ultrasonic: 250
		Ultrasonic: 25
Max. Tool Diameter (Full)	mm	60
Max. Tool Length	mm	150
Max. Tool Weight	kg	5
Type	-	Disc Type

Miscellaneous

Power Supply Voltage	-	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	18
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>100
Total Weight (incl. Accessories)	kg	9,000
Machine Size (L x W x H)	mm	2,990×2,935×2,875

Travel

X/Y/Z-Axis Travel	mm	800×800×350
Spindle Nose to Table	mm	150-500

Worktable

Dimensions	mm	850×850
Max. Load	kg	1,000
T-Slot (No.xWidthxDistance)	pcs×mm×mm	8-18×100

Feed Rate

X/Y/Z-Axis Rapid Speed	m/min	24/24/24
X/Y/Z-Axis Max. Feed	m/min	10/10/10
X/Y/Z-Axis Motor Power	kW	3.1/3.1/3.1

Accuracy

X/Y/Z-Axis Positioning Accuracy	mm	0.005
X/Y/Z-Axis Repeatability	mm	0.003
Accuracy Grade	-	UP

Standard Configurations

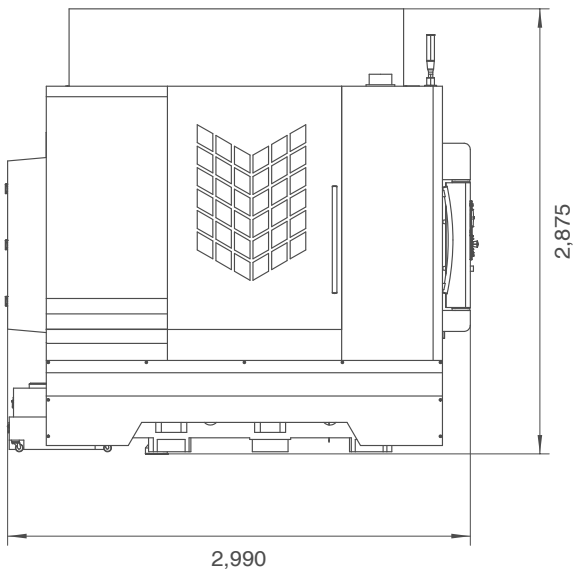
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock
Blow Gun	

Optional Configurations

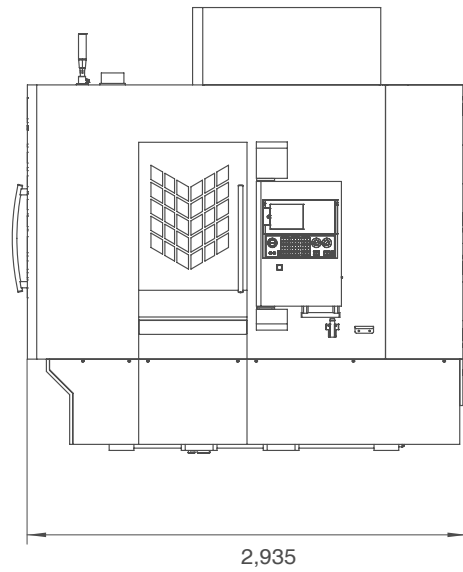
High Precision 3D Probe	4/5th Axis Rotary Table
High Precision Linear Encoders	Automatic Door
Oil-Mist Collector	Contact Tool Setter

Floor Plans (Unit: mm)

Front View



Top 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

ULM-800A 20240118 VE1.9

Ultrasonic Precision

Engraving & Milling Center

JLM-800B



Technical Data

Controller

CNC Controller	SIEMENS 828D-280
----------------	------------------

Spindle

Diameter	mm	Φ120
Max. Speed (Short-Duration)	rpm	30,000
Max. Speed (Long-Duration)	rpm	24,000
Motor Power (Rated)	kW	Y: 7.5 Δ: 20
Motor Torque (Rate)	Nm	Y: 3.4 Δ: 24.8
Spindle Taper	-	HSK-E40
Ultrasonic	-	Optional
Minimum Quantity Lubrication (MQL)	-	/
Ultrasonic + MQL	-	/
Supercritical CO ₂ Spindle	-	/

Tool Magazine

Tool Holding Capacity	No. of Tools	Non-Ultrasonic: 25
		Ultrasonic: 25
Max. Tool Diameter (Full)	mm	60
Max. Tool Length	mm	150
Max. Tool Weight	kg	5
Type	-	Disc Type

Miscellaneous

Power Supply Voltage	-	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	20
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>100
Total Weight (incl. Accessories)	kg	9,000
Machine Size (L x W x H)	mm	2,990×2,935×2,875

Travel

X/Y/Z-Axis Travel	mm	800×800×350
Spindle Nose to Table	mm	150-500

Worktable

Dimensions	mm	850×850
Max. Load	kg	1,000
T-Slot (No.xWidth×Distance)	pcs×mm×mm	8-18×100

Feed Rate

X/Y/Z-Axis Rapid Speed	m/min	24/24/24
X/Y/Z-Axis Max. Feed	m/min	10/10/10
X/Y/Z-Axis Motor Power	kW	3.1/3.1/3.1

Accuracy

X/Y/Z-Axis Positioning Accuracy	mm	0.005
X/Y/Z-Axis Repeatability	mm	0.003
Accuracy Grade	-	UP

Standard Configurations

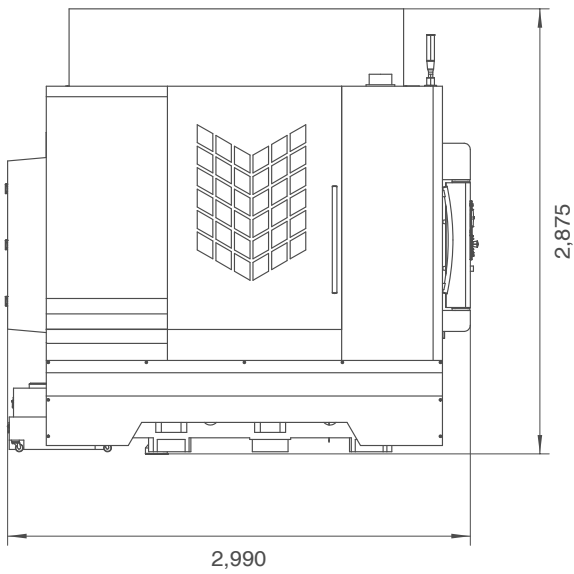
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock
Blow Gun	

Optional Configurations

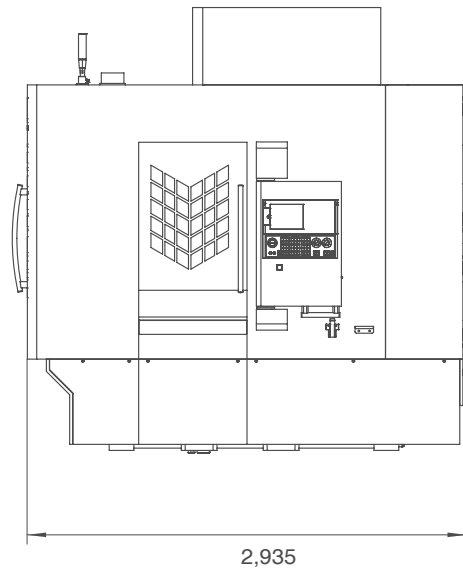
High Precision 3D Probe	4/5th Axis Rotary Table
High Precision Linear Encoders	Automatic Door
Oil-Mist Collector	Contact Tool Setter

Floor Plans (Unit: mm)

Front View



Top View



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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

ULM-800B 20240118 VE1.8

Ultrasonic Precision

Engraving & Milling Center

JLM-800C



Technical Data

Controller

CNC Controller	SIEMENS 828D-280
----------------	------------------

Spindle

Diameter	mm	Φ150
Max. Speed (Short-Duration)	rpm	18,000
Max. Speed (Long-Duration)	rpm	14,400
Motor Power (Rated)	kW	Y: 15 Δ: 20
Motor Torque (Rate)	Nm	Y: 39.6 Δ: 24.8
Spindle Taper	-	HSK-A63
Ultrasonic	-	Optional
Minimum Quantity Lubrication (MQL)	-	/
Ultrasonic + MQL	-	/
Supercritical CO ₂ Spindle	-	/

Tool Magazine

Tool Holding Capacity	No. of Tools	Non-Ultrasonic: 40
		Ultrasonic: 20
Max. Tool Diameter (Full)	mm	76
Max. Tool Length	mm	260
Max. Tool Weight	kg	5
Type	-	Chain Type

Miscellaneous

Power Supply Voltage	-	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	33
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>100
Total Weight (incl. Accessories)	kg	9,000
Machine Size (L x W x H)	mm	2,990×2,935×2,875

Travel

X/Y/Z-Axis Travel	mm	800×800×350
Spindle Nose to Table	mm	145-495

Worktable

Dimensions	mm	850×850
Max. Load	kg	1,000
T-Slot (No.xWidthxDistance)	pcs×mm×mm	8-18×100

Feed Rate

X/Y/Z-Axis Rapid Speed	m/min	24/24/24
X/Y/Z-Axis Max. Feed	m/min	10/10/10
X/Y/Z-Axis Motor Power	kW	3.1/3.1/3.1

Accuracy

X/Y/Z-Axis Positioning Accuracy	mm	0.005
X/Y/Z-Axis Repeatability	mm	0.003
Accuracy Grade	-	UP

Standard Configurations

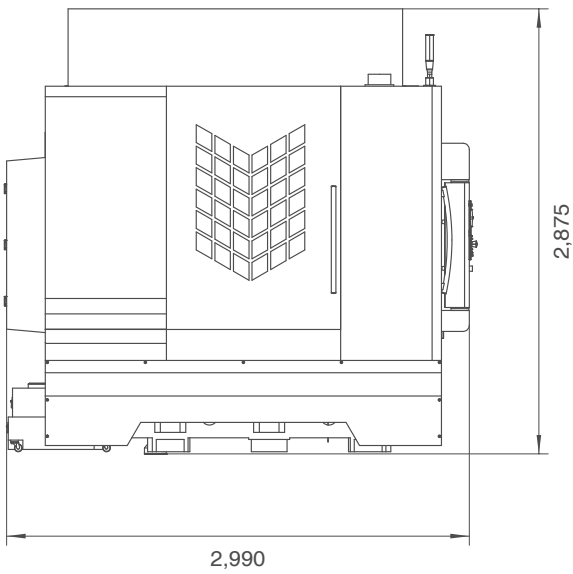
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock
Blow Gun	

Optional Configurations

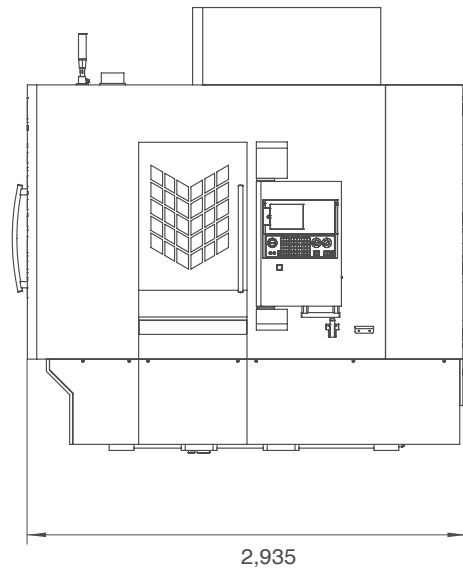
High Precision 3D Probe	4/5th Axis Rotary Table
High Precision Linear Encoders	Automatic Door
Oil-Mist Collector	Contact Tool Setter

Floor Plans (Unit: mm)

Front View



Top View



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E-mail: esther.hu@conprofotech.com

Address: No.6 2nd Nanyun Road, Science City, Hi-tech Development Zone, Guangzhou, 510663, P.R.C

ULM-800C 20240118 VE1.9

Ultrasonic Precision

Engraving & Milling Center

JLM-1200A



Technical Data

Controller

CNC Controller	SIEMENS 828D-280
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Spindle

Diameter	mm	Φ100
Max. Speed (Short-Duration)	rpm	40,000
Max. Speed (Long-Duration)	rpm	32,000
Motor Power (Rated)	kW	Y: 6 Δ: 20
Motor Torque (Rate)	Nm	Y: 2.7 Δ: 24.8
Spindle Taper	-	HSK-E32
Ultrasonic	-	Optional
Minimum Quantity Lubrication (MQL)	-	/
Ultrasonic + MQL	-	/
Supercritical CO ₂ Spindle	-	/

Tool Magazine

Tool Holding Capacity	No. of Tools	Non-Ultrasonic: 25
		Ultrasonic: 25
Max. Tool Diameter (Full)	mm	60
Max. Tool Length	mm	150
Max. Tool Weight	kg	5
Type	-	Disc Type

Miscellaneous

Power Supply Voltage	-	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	18/20/33
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>100
Total Weight (incl. Accessories)	kg	11,000
Machine Size (L x W x H)	mm	2,990x3,770x2,900

Travel

X/Y/Z-Axis Travel	mm	800x1,200x350
Spindle Nose to Table	mm	150-500

Worktable

Dimensions	mm	850x1,250
Max. Load	kg	1,000
T-Slot (No.xWidthxDistance)	pcsxmmxmm	8-18x100

Feed Rate

X/Y/Z-Axis Rapid Speed	m/min	24/24/24
X/Y/Z-Axis Max. Feed	m/min	10/10/10
X/Y/Z-Axis Motor Power	kW	3.1/4.3/3.1

Accuracy

X/Y/Z-Axis Positioning Accuracy	mm	0.005
X/Y/Z-Axis Repeatability	mm	0.003
Accuracy Grade	-	UP

Standard Configurations

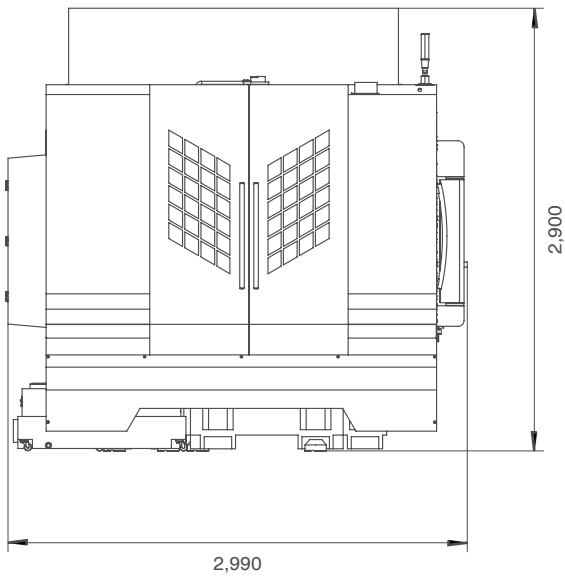
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock
Blow Gun	

Optional Configurations

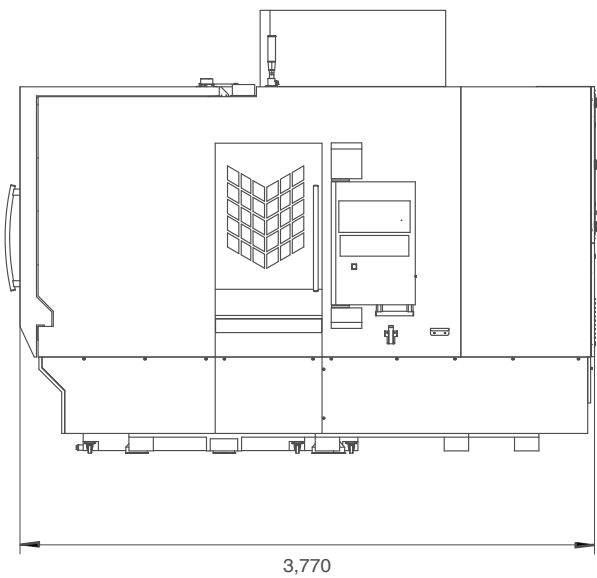
High Precision 3D Probe	4/5th Axis Rotary Table
High Precision Linear Encoders	Automatic Door
Oil-Mist Collector	Contact Tool Setter

Floor Plans (Unit: mm)

Front View



Top View



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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

ULM-1200A 20240118 VE1.9

Ultrasonic Precision

Engraving & Milling Center

JLM-1200B



Technical Data

Controller

CNC Controller	SIEMENS 828D-280
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Spindle

Diameter	mm	Φ120
Max. Speed (Short-Duration)	rpm	30,000
Max. Speed (Long-Duration)	rpm	24,000
Motor Power (Rated)	kW	Y: 7.5 Δ: 20
Motor Torque (Rate)	Nm	Y: 3.4 Δ: 24.8
Spindle Taper	-	HSK-E40
Ultrasonic	-	Optional
Minimum Quantity Lubrication (MQL)	-	/
Ultrasonic + MQL	-	/
Supercritical CO ₂ Spindle	-	/

Tool Magazine

Tool Holding Capacity	No. of Tools	Non-Ultrasonic: 25
		Ultrasonic: 25
Max. Tool Diameter (Full)	mm	60
Max. Tool Length	mm	150
Max. Tool Weight	kg	5
Type	-	Disc Type

Miscellaneous

Power Supply Voltage	-	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	20
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>100
Total Weight (incl. Accessories)	kg	11,000
Machine Size (L x W x H)	mm	2,990×3,770×2,900

Travel

X/Y/Z-Axis Travel	mm	800×1,200×350
Spindle Nose to Table	mm	150-500

Worktable

Dimensions	mm	850×1250
Max. Load	kg	1,000
T-Slot (No.xWidthxDistance)	pcs×mm×mm	8-18×100

Feed Rate

X/Y/Z-Axis Rapid Speed	m/min	24/24/24
X/Y/Z-Axis Max. Feed	m/min	10/10/10
X/Y/Z-Axis Motor Power	kW	3.1/4.3/3.1

Accuracy

X/Y/Z-Axis Positioning Accuracy	mm	0.005
X/Y/Z-Axis Repeatability	mm	0.003
Accuracy Grade	-	UP

Standard Configurations

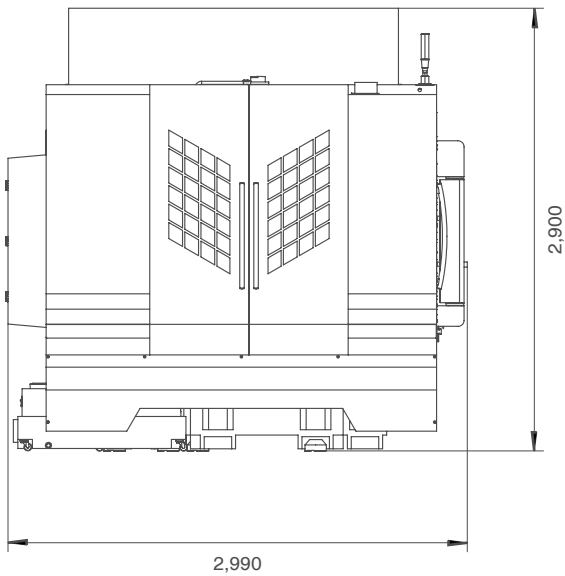
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock
Blow Gun	

Optional Configurations

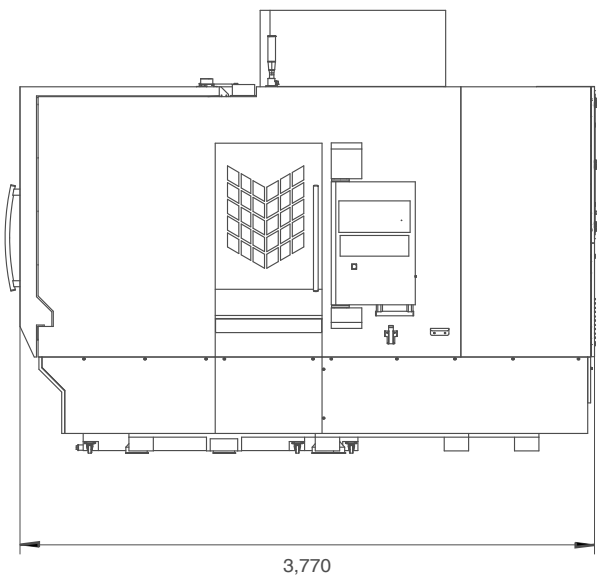
High Precision 3D Probe	4/5th Axis Rotary Table
High Precision Linear Encoders	Automatic Door
Oil-Mist Collector	Contact Tool Setter

Floor Plans (Unit: mm)

Front View



Top View



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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

ULM-1200B 20240118 VE1.9

Ultrasonic Precision

Engraving & Milling Center

UJM-1200C



Technical Data

Controller

CNC Controller	SIEMENS 828D-280
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Spindle

Diameter	mm	Φ150
Max. Speed (Short-Duration)	rpm	18,000
Max. Speed (Long-Duration)	rpm	14,400
Motor Power (Rated)	kW	Y: 15 Δ: 20
Motor Torque (Rate)	Nm	Y: 39.6 Δ: 24.8
Spindle Taper	-	HSK-A63
Ultrasonic	-	Optional
Minimum Quantity Lubrication (MQL)	-	/
Ultrasonic + MQL	-	/
Supercritical CO ₂ Spindle	-	/

Tool Magazine

Tool Holding Capacity	No. of Tools	Non-Ultrasonic: 40
		Ultrasonic: 20
Max. Tool Diameter (Full)	mm	76
Max. Tool Length	mm	260
Max. Tool Weight	kg	5
Type	-	Chain Type

Miscellaneous

Power Supply Voltage	-	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	33
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>100
Total Weight (incl. Accessories)	kg	11,000
Machine Size (L x W x H)	mm	2,990×3,770×2,900

Travel

X/Y/Z-Axis Travel	mm	800×1,200×350
Spindle Nose to Table	mm	145-495

Worktable

Dimensions	mm	850×1,250
Max. Load	kg	1,000
T-Slot (No.xWidthxDistance)	pcs×mm×mm	8-18×100

Feed Rate

X/Y/Z-Axis Rapid Speed	m/min	24/24/24
X/Y/Z-Axis Max. Feed	m/min	10/10/10
X/Y/Z-Axis Motor Power	kW	3.1/4.3/3.1

Accuracy

X/Y/Z-Axis Positioning Accuracy	mm	0.005
X/Y/Z-Axis Repeatability	mm	0.003
Accuracy Grade	-	UP

Standard Configurations

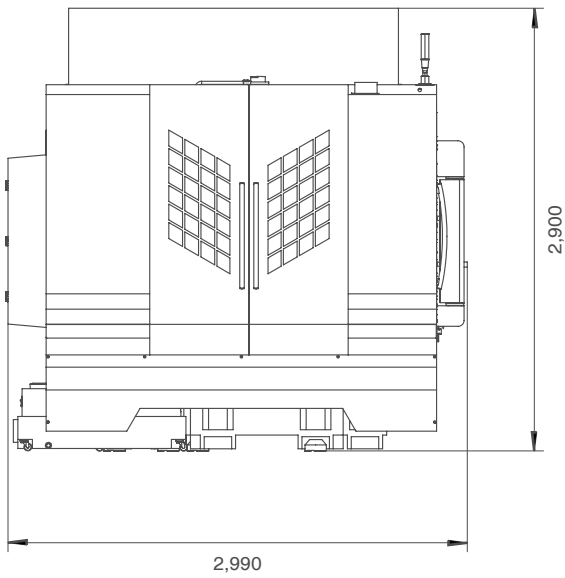
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock
Blow Gun	

Optional Configurations

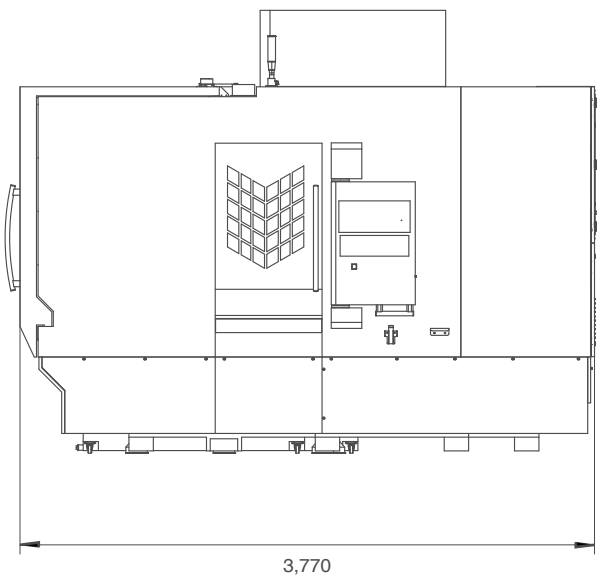
High Precision 3D Probe	4/5th Axis Rotary Table
High Precision Linear Encoders	Automatic Door
Oil-Mist Collector	Contact Tool Setter

Floor Plans (Unit: mm)

Front View



Top View



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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

ULM-1200C 20240118 VE1.2

Conprofe Graphite Machining Centers



UPG Series

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UPG Series

Conprofe Machine Tool Co., Ltd. // Wholly-Owned Subsidiary of Conprofe Technology Group Co., Ltd.

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



Website



Direct Industry



LinkedIn

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	30,000
Max. Speed (Long-Duration)	rpm	24,000
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	3,500
Machine Size (L x W x H)	mm	1,805 × 1,890 × 2,350

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	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

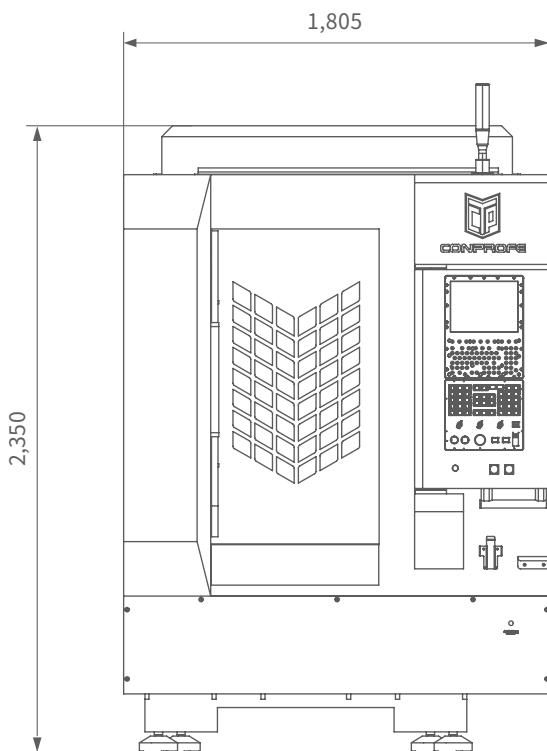
Automatic Centralized Lubrication System	Blow Gun
Spindle Chiller	Electrical Cabinet Heat Exchanger
High Precision Linear Encoders	LED Work Light
Handwheel	Three-Color Alarm Light
	Door Safety Interlock

Optional Configurations

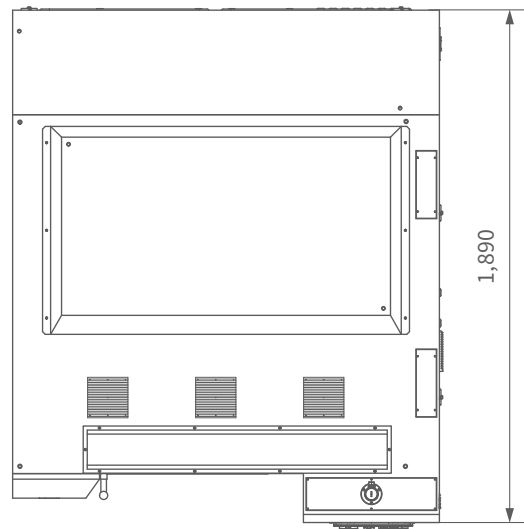
High Precision 3D Probe	Contact Tool Setter
Dust Collector	Laser Tool Setter
4/5th Axis Rotary Table	Extended Tool Magazine ETM-14 /12
Automatic Door	

Floor Plans (Unit: mm)

Front View



Top View



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Contact: Esther HU +86-138 2607 9999

E-mail: esther.hu@conproftech.com

Address: No.6 2nd Nanyun Road, Science City, Hi-tech Development Zone, Guangzhou, 510663, P.R.C

UPG-500 20240118 VE2.2

Ultrasonic Precision Graphite Machining Center

UPG-600C



Technical Data

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

Spindle		
Diameter	mm	Φ150
Max. Speed (Short-Duration)	rpm	18,000
Max. Speed (Long-Duration)	rpm	14,400
Power (Rated)	kW	Y: 15 Δ: 20
Torque (Rated)	Nm	Y: 39.6 Δ: 24.8
Spindle Taper	-	HSK-A63
Ultrasonic	-	Optional

Tool Magazine		
Tool Holding Capacity	No. of Tools	9
Max. Tool Diameter (Full)	mm	110
Max. Tool Length	mm	70
Max. Tool Weight	kg	3
Type	-	Umbrella Type

Miscellaneous		
Power Supply Voltage	-	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	27
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>100
Total Weight (incl. Accessories)	kg	5,000
Machine Size (L x W x H)	mm	1,950 × 2,100 × 2,390

Travel		
X/Y/Z-Axis Travel	mm	600×500×250
Spindle Nose to Table	mm	150-400

Worktable		
Dimensions	mm	620×560
Max. Load	kg	200
T-Slot (No. x Width x Distance)	pcs×mm×mm	7×12×80

Feed Rate		
X/Y/Z-Axis Rapid Speed	m/min	15/15/15
X/Y/Z-Axis Max. Feed	m/min	10/10/10
X/Y/Z-Axis Motor Power	kW	0.85/0.85/0.85 (Standard)

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

Standard Configurations

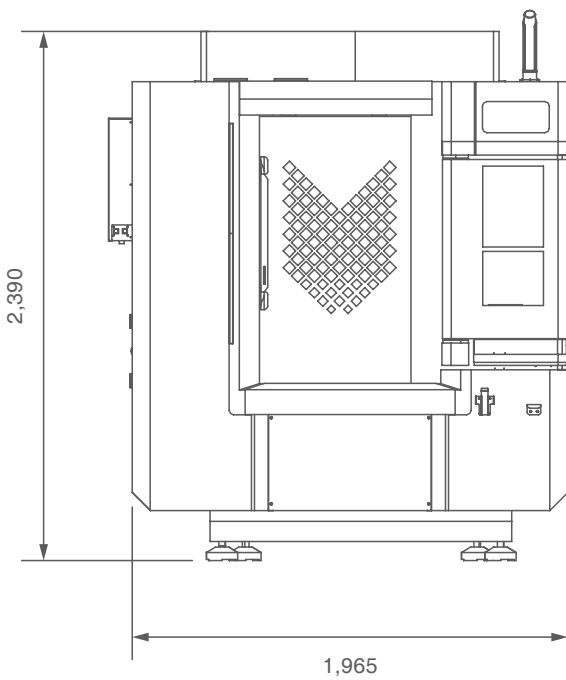
Automatic Centralized Lubrication System	Blow Gun
Spindle Chiller	Electrical Cabinet Heat Exchanger
High Precision Linear Encoders	LED Work Light
Handwheel	Three-Color Alarm Light
	Door Safety Interlock

Optional Configurations

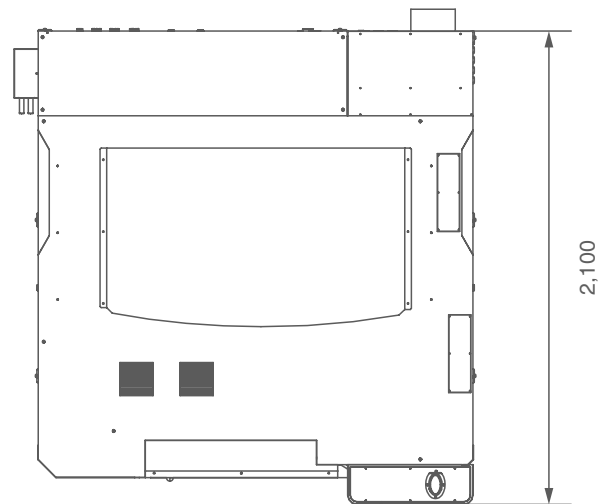
High Precision 3D Probe	Automatic Door
Dust Collector	Contact Tool Setter
4/5th Axis Rotary Table	Laser Tool Setter

Floor Plans (Unit: mm)

Front View



Top View



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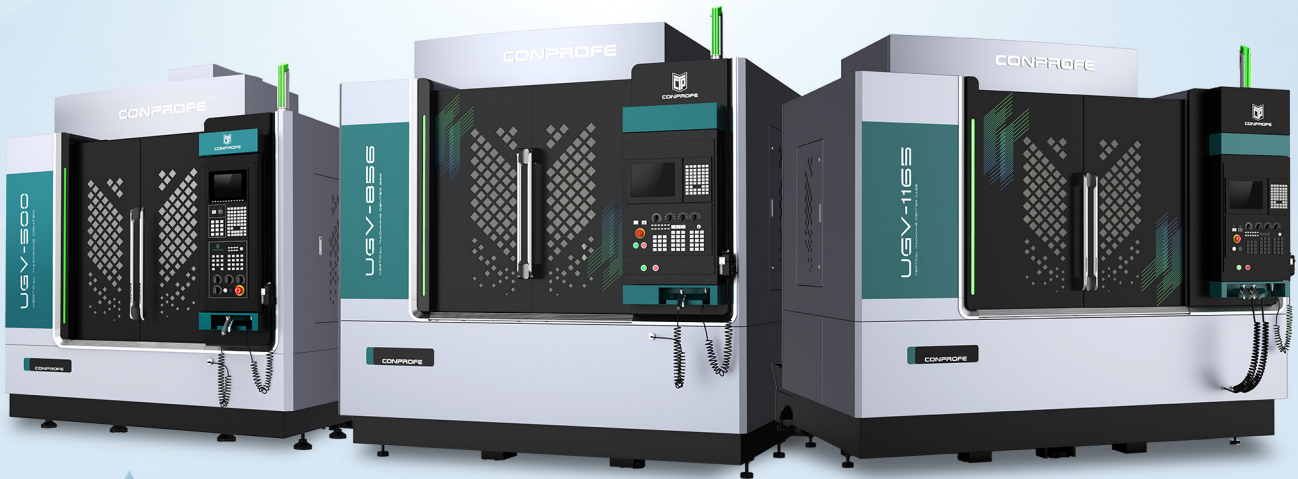
Contact: Esther HU +86-138 2607 9999

E-mail: esther.hu@conprofotech.com

Address: No.6 2nd Nanyun Road, Science City, Hi-tech Development Zone, Guangzhou, 510663, P.R.C

UPG-600C 20240118 VE2.2

Conprofe Vertical Machining Centers



UGV-500

UGV-856

UGV-1165

UGV Series

The information given is not binding. The actual product and mutual agreement shall prevail.

UGV Series

Conprofe Machine Tool Co., Ltd. // Wholly-Owned Subsidiary of Conprofe Technology Group Co., Ltd.

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



Website



Direct Industry

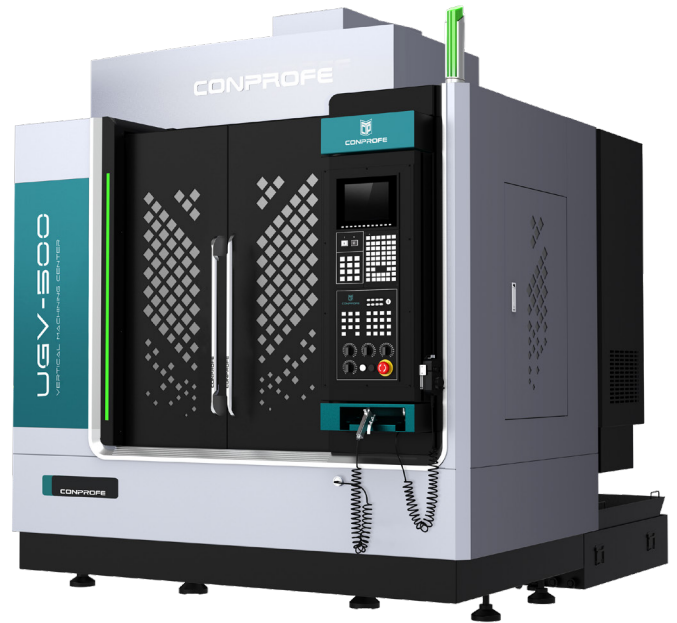


LinkedIn

Ultrasonic-Green

Vertical Machining Center

UGV-500



Technical Data

Controller

CNC Controller	Mitsubishi M80A
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Spindle

Diameter	mm	Φ140	Φ150 (Optional)
Max. Speed (Short-Duration)	rpm	15,000 (Direct-Driven)	20,000 (Electric Spindle)
Max. Speed (Long-Duration)	rpm	12,000 (Direct-Driven)	16,000 (Electric Spindle)
Motor Power (Rated / Short-Duration)	kW	5.5	9/15
Motor Torque (Rated / Short-Duration)	Nm	17.5	14.8/6
Spindle Taper	-	BT40	HSK-A63
Ultrasonic	-	Optional	Optional
Minimum Quantity Lubrication (MQL)	-	Optional	Optional
Ultrasonic + MQL	-	Optional	Optional

Tool Magazine

Tool Holding Capacity	No. of Tools	24 (Standard)	30 (Optional)
Max. Tool Diameter (Full / Partial)	mm	Φ75/Φ150	
Max. Tool Length	mm	300	
Max. Tool Weight	kg	8	
Type	-	Disc Type	

Miscellaneous

Power Supply Voltage	-	Three-Phase AC, 380V/50Hz	
Power Capacity	kVA	18	20
Air Pressure	MPa	0.5-0.7	
Total Air Consumption	L/min	>100	
Total Weight (incl. Accessories)	kg	3,800	
Machine Size (L x W x H)	mm	2,120×2,380×2,850	

Travel

X/Y/Z-Axis Travel	mm	550/400/450
Spindle Nose to Table	mm	140-590
Spindle Center to Column Guide	mm	409

Worktable

Dimensions	mm	650×400
Max. Load	kg	300
T-Slot (No. x Width x Distance)	pcs×mm×mm	3×14×110

Feed Rate

X/Y/Z-Axis Rapid Speed	m/min	48/48/48
X/Y/Z-Axis Max. Feed	m/min	10/10/10
X/Y/Z-Axis Motor Power	kW	1.5/1.5/3.0

Accuracy

X/Y/Z-Axis Positioning Accuracy	mm	0.006
X/Y/Z-Axis Repeatability	mm	0.003
Accuracy Grade	-	UP

Standard Configurations

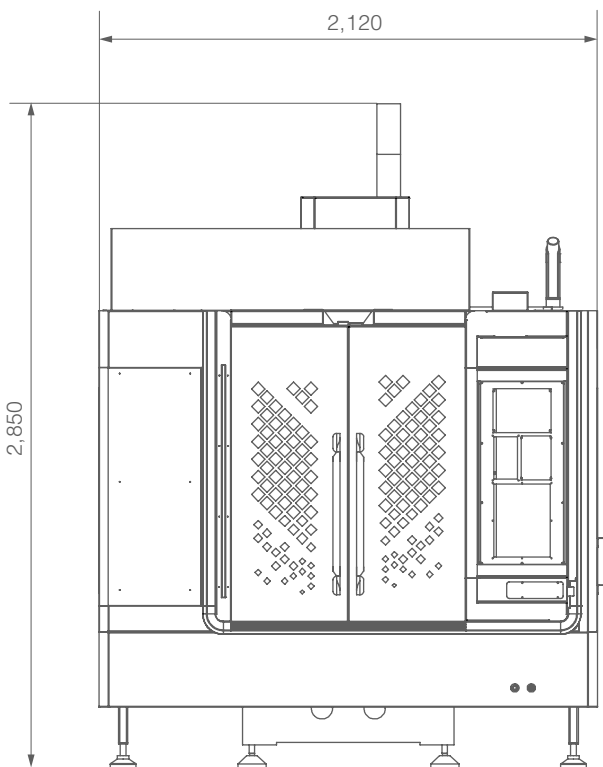
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Handwheel	Three-Color Alarm Light
Blow Gun	Door Safety Interlock

Optional Configurations

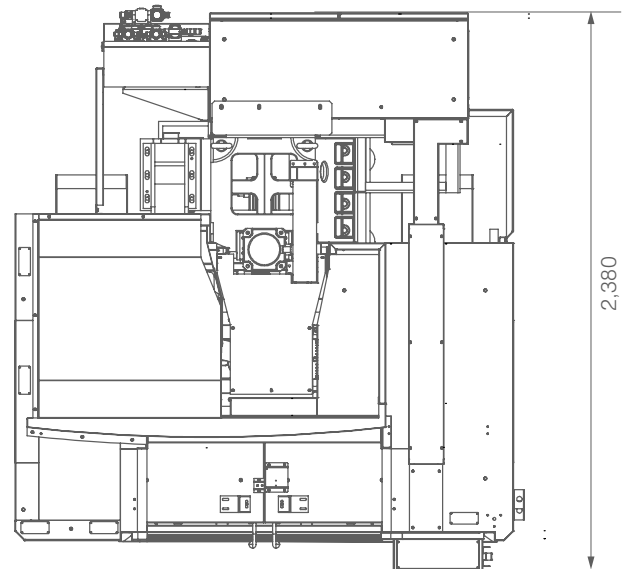
Oil-Mist Collector	Disc-Type Oil-Water Separator
4/5th Axis Rotary Table	Spindle Chiller
Contact Tool Setter	Chip Conveyor
High Precision 3D Probe	Water Gun
Automatic Door	

Floor Plans (Unit: mm)

Front View



Top View



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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

UGV-500 20240118 VE1.3

Ultrasonic-Green

Vertical Machining Center

UGV-856



Technical Data

Controller

CNC Controller Mitsubishi M80B

Spindle

Diameter	mm	Φ140	Φ150
Max. Speed (Short-Duration)	rpm	15,000 (Direct-Driven)	20,000 (Electric Spindle)
Max. Speed (Long-Duration)	rpm	12,000 (Direct-Driven)	15,000 (Direct-Driven)
Motor Power (Rated / Short-Duration)	kW	5.5/7.5	5.5/7.5
Motor Torque (Rated / Short-Duration)	Nm	35/47.7	35/47.7
Spindle Taper	-	BT40	BT40
Ultrasonic	-	Optional	Optional
Minimum Quantity Lubrication (MQL)	-	Optional	Optional
Ultrasonic + MQL	-	Optional	Optional

Tool Magazine

Tool Holding Capacity	No. of Tools	24 (Standard)	30 (Optional)
Max. Tool Diameter (Full / Partial)	mm	Φ78/Φ120	
Max. Tool Length	mm	300	
Max. Tool Weight	kg	8	
Type	-	Disc Type	

Miscellaneous

Power Supply Voltage	-	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	20
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>100
Total Weight (incl. Accessories)	kg	5,500
Machine Size (L x W x H)	mm	2,350×2,950×2,550

Travel

X/Y/Z-Axis Travel	mm	800×550×600
Spindle Nose to Table	mm	130-730
Spindle Center to Column Guide	mm	575

Worktable

Dimensions	mm	1,000×500
Max. Load	kg	450
T-Slot (No. x Width x Distance)	pcs×mm×mm	4×18×124

Feed Rate

X/Y/Z-Axis Rapid Speed	m/min	48/48/32
X/Y/Z-Axis Max. Feed	m/min	10/10/10
X/Y/Z-Axis Motor Power	kW	2/2/3

Accuracy

X/Y/Z-Axis Positioning Accuracy	mm	0.006
X/Y/Z-Axis Repeatability	mm	0.004
Accuracy Grade	-	UP

Standard Configurations

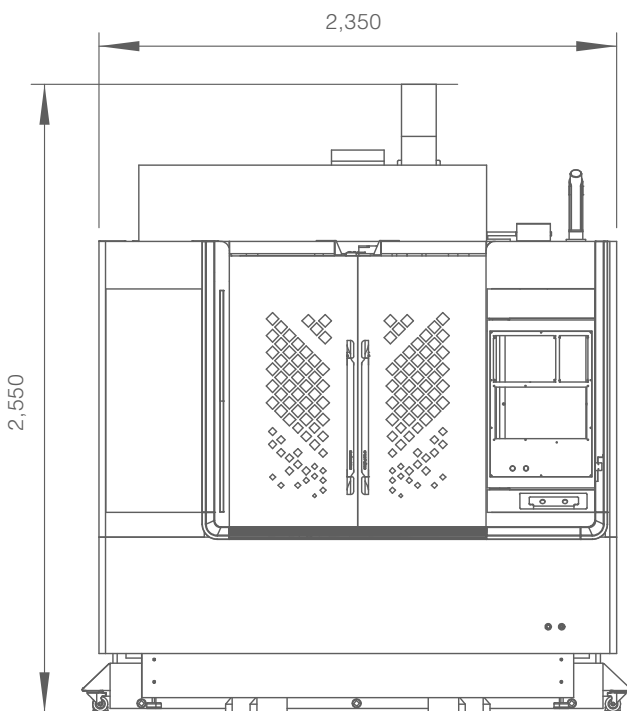
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Handwheel	Three-Color Alarm Light
Blow Gun	Door Safety Interlock

Optional Configurations

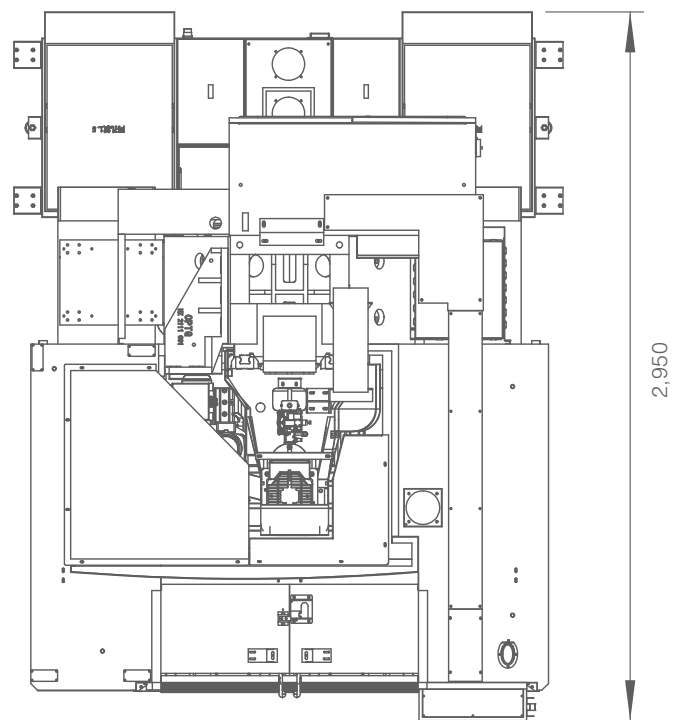
Oil-Mist Collector	Disc-Type Oil-Water Separator
4/5th Axis Rotary Table	Spindle Chiller
Contact Tool Setter	Chip Conveyor
High Precision 3D Probe	Water Gun
Automatic Door	

Floor Plans (Unit: mm)

Front View



Top View



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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

UGV-856 20240118 VE3.2

Ultrasonic-Green

Vertical Machining Center

UGV-1165



Technical Data

Controller		Standard	Optional	
CNC Controller		Mitsubishi M80B	SIEMENS 828D-280 / FANUC 0i-MF (5)	

Spindle				
Diameter	mm	Φ150 (Optional)	Φ150 (Optional)	Φ150 (Optional)
Max. Speed (Short-Duration)	rpm	12,000(Direct-Driven)	15,000 (Direct-Driven)	18,000 (Electric Spindle)
Max. Speed (Long-Duration)	rpm	9,600(Direct-Driven)	12,000 (Direct-Driven)	14,400 (Electric Spindle)
Motor Power (Rated / Short-Duration)	kW	7.5/11	9/11	Y:6/7.5 Δ:11/13.75
Motor Torque (Rated / Short-Duration)	Nm	35.8/70	57.3/70	Y:32.5/42.9 Δ:18.8/24.2
Spindle Taper	-	BT40	BT40	HSK-A63
Ultrasonic	-	Optional	Optional	Optional
Minimum Quantity Lubrication (MQL)	-	Optional	Optional	Optional
Ultrasonic + MQL	-	Optional	Optional	Optional

Travel			
X/Y/Z-Axis Travel	mm	1,100×650×600	
Spindle Nose to Table	mm	140-740	
Spindle Center to Column Guide	mm	710	

Worktable			
Dimensions	mm	1,200×600	
Max. Load	kg	800	
T-Slot (No. x Width x Distance)	pcs×mm×mm	5×18×100	

Tool Magazine			
Tool Holding Capacity	No. of Tools	24 (Standard)	30 (Optional)
Max. Tool Diameter (Full / Partial)	mm	Φ75/Φ150	
Max. Tool Length	mm	250	
Max. Tool Weight	kg	8	
Type	-	Disc Type	

Feed Rate			
X/Y/Z-Axis Rapid Speed	m/min	36/36/36	
X/Y/Z-Axis Max. Feed	m/min	10/10/10	
X/Y/Z-Axis Motor Power	kW	2/2/3	

Miscellaneous				
Power Supply Voltage	-	Three-Phase AC, 380V/50Hz		
Power Capacity	kVA	20	22	23
Air Pressure	MPa	0.5-0.7		
Total Air Consumption	L/min	>100		
Total Weight (incl. Accessories)	kg	7,200		
Machine Size (L x W x H)	mm	2,760×3,000×3,100		

Accuracy			
X/Y/Z-Axis Positioning Accuracy	mm	0.008	
X/Y/Z-Axis Repeatability	mm	0.005	
Accuracy Grade	-	UP	

Standard Configurations

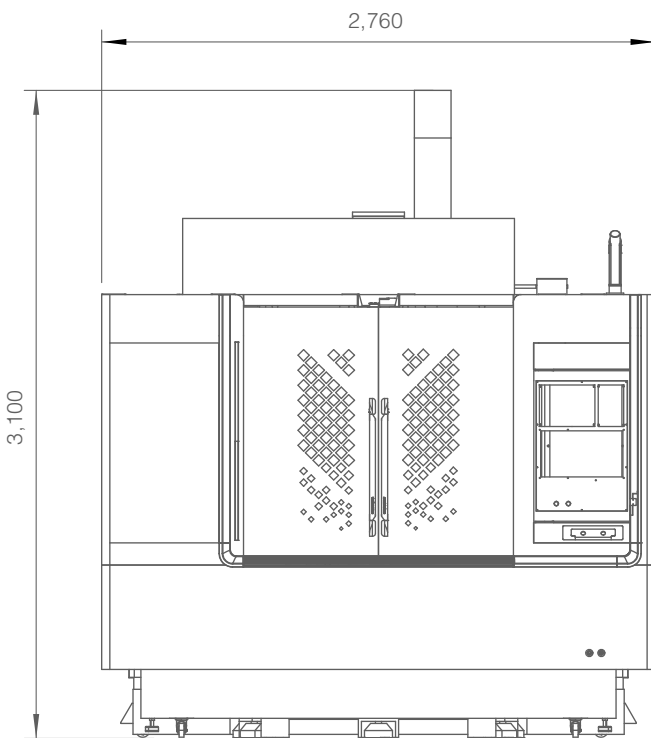
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Handwheel	Three-color Alarm Light
Blow Gun	Door Safety Interlock

Optional Configurations

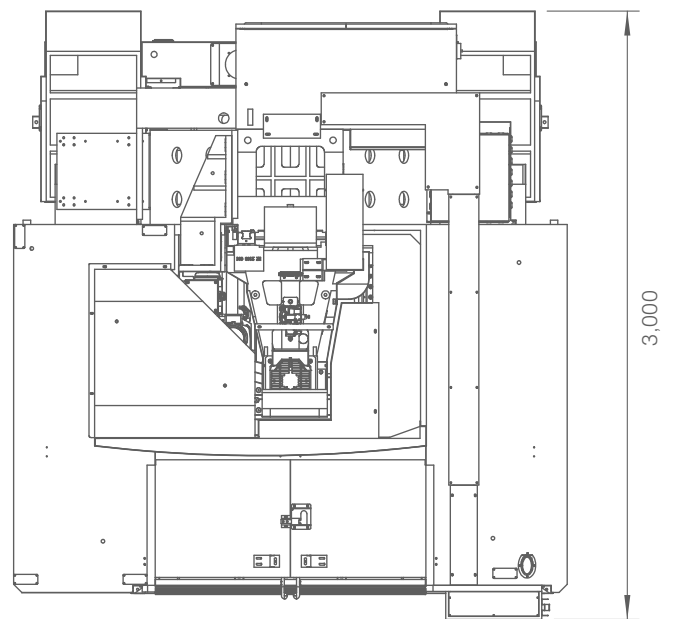
Oil-Mist Collector	Disc-Type Oil-Water Separator
4/5th Axis Rotary Table	Spindle Chiller
Contact Tool Setter	Chip Conveyor
High Precision 3D Probe	Water Gun
Automatic Door	

Floor Plans (Unit: mm)

Front View



Top View



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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

UGV-1165 20240118 VE3.3

Conprofe Drilling & Milling Centers



UGT-500

UGT-700

UGT-1200

UGT Series

The information given is not binding. The actual product and mutual agreement shall prevail.

UGT Series

Conprofe Machine Tool Co., Ltd. // Wholly-Owned Subsidiary of Conprofe Technology Group Co., Ltd.

Contact: Esther HU +86-138 2607 9999

E-mail: esther.hu@conprofetech.com

Web: www.conprofecnc.com

Address: No.6 2nd Nanyun Road, Science City, Hi-tech Development Zone, Guangzhou, 510663, P.R.C



Website



Direct Industry

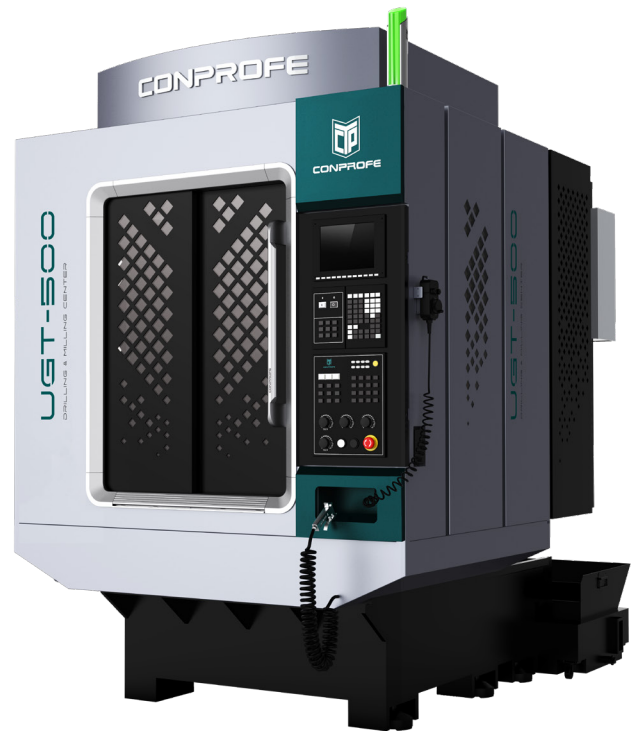


LinkedIn

Ultrasonic-Green

Drilling & Milling Center

UGT-500



Technical Data

Controller	Standard	Optional
CNC Controller	Mitsubishi M80A	SIEMENS / FANUC

Spindle		
Diameter	mm	Φ100
Max. Speed (Short-Duration)	rpm	24,000
Max. Speed (Long-Duration)	rpm	19,200
Motor Power (Rated / Short-Duration)	kW	2.2/3.7
Motor Torque (Rated / Short-Duration)	Nm	7/17.7
Spindle Taper	-	BT30
Ultrasonic	-	Standard
Spindle-Through MQL	-	Optional
Ultrasonic + Spindle-Through MQL	-	Optional
Supercritical CO ₂ Spindle	-	Optional (Add-On)

Tool Magazine		
Tool Holding Capacity	No. of Tools	21
Max. Tool Diameter (Full / Partial)	mm	60/80
Max. Tool Length	mm	200
Max. Tool Weight	kg	3
Type	-	Arm Type

Miscellaneous		
Power Supply Voltage	-	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	15
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>100
Total Weight (incl. Accessories)	kg	3,200
Machine Size (L x W x H)	mm	1,600×2,430×2,400

Travel		
X/Y/Z-Axis Travel	mm	500×400×320
Spindle Nose to Table	mm	180-500
Spindle Center to Z-Axis Cover	mm	420

Worktable		
Dimensions	mm	620×400
Max. Load	kg	250
T-Slot (No. x Width x Distance)	pcs×mm×mm	3×14×125

Feed Rate		
X/Y/Z-Axis Rapid Speed	m/min	48/48/36
X/Y/Z-Axis Motor Power	kW	1.5/1.5/3.0

Accuracy		
X/Y/Z-Axis Positioning Accuracy	mm	0.006
X/Y/Z-Axis Repeatability	mm	0.004
Accuracy Grade	-	P

Standard Configurations

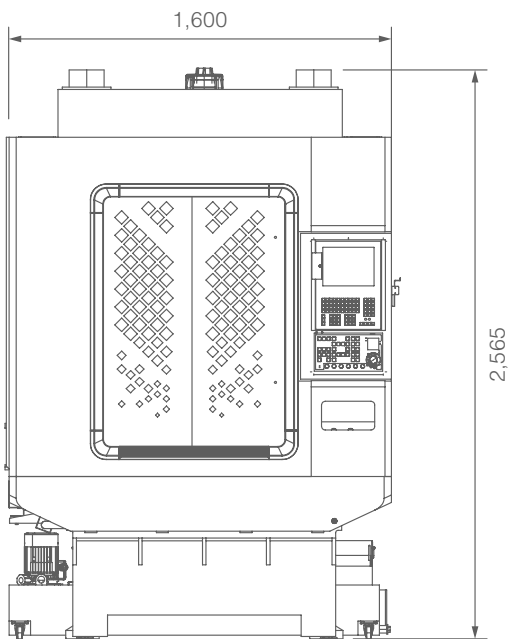
Automatic Centralized Lubrication System	Blow Gun
Chip-Flushing System	Electrical Cabinet Heat Exchanger
Coolant System	LED Work Light
Ethernet Port	Three-Color Alarm Light
Handwheel	Door Safety Interlock

Optional Configurations

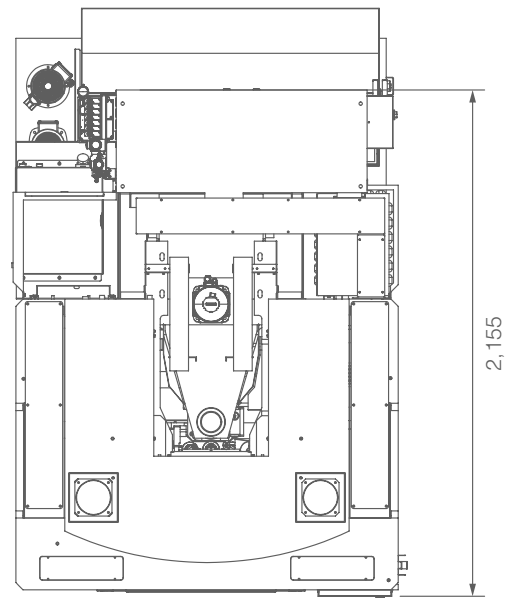
High Precision 3D Probe	Contact Tool Setter
Automatic Door	Add-On Tool Magazine (ATM-14)
Disc-Type Oil-Water Separator	Spindle Chiller
4/5th Axis Rotary Table	Tool Magazine Flushing System
Oil-Mist Collector	Non-Ultrasonic

Floor Plans (Unit: mm)

Front View



Top View



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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

UGT-500 20240118 VE3.1

Ultrasonic-Green

Drilling & Milling Center

UGT-700



Technical Data

Controller	Standard	Optional
CNC Controller	Mitsubishi M80A	SIEMENS / FANUC

Spindle		
Diameter	mm	Φ100
Max. Speed (Short-Duration)	rpm	24,000
Max. Speed (Long-Duration)	rpm	19,200
Motor Power (Rated / Short-Duration)	kW	2.2/3.7
Motor Torque (Rated / Short-Duration)	Nm	7/17.7
Spindle Taper	-	BT30
Ultrasonic	-	Optional
Spindle-Through MQL	-	Optional
Ultrasonic + Spindle-Through MQL	-	Standard
Supercritical CO ₂ Spindle	-	Optional (Add-On)

Tool Magazine		
Tool Holding Capacity	No. of Tools	21
Max. Tool Diameter (Full / Partial)	mm	60/80
Max. Tool Length	mm	200
Max. Tool Weight	kg	3
Type	-	Arm Type

Miscellaneous		
Power Supply Voltage	-	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	15
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>100
Total Weight (incl. Accessories)	kg	3,500
Machine Size (L x W x H)	mm	2,000×2,490×2,750

Travel		
X/Y/Z-Axis Travel	mm	700×400×320
Spindle Nose to Table	mm	180-500
Spindle Center to Z-Axis Cover	mm	410

Worktable		
Dimensions	mm	800×400
Max. Load	kg	250
T-Slot (No. x Width x Distance)	pcs×mm×mm	3×14×125

Feed Rate		
X/Y/Z-Axis Rapid Speed	m/min	48/48/36
X/Y/Z-Axis Motor Power	kW	1.5/1.5/3.0

Accuracy		
X/Y/Z-Axis Positioning Accuracy	mm	0.007
X/Y/Z-Axis Repeatability	mm	0.004
Accuracy Grade	-	UP

Standard Configurations

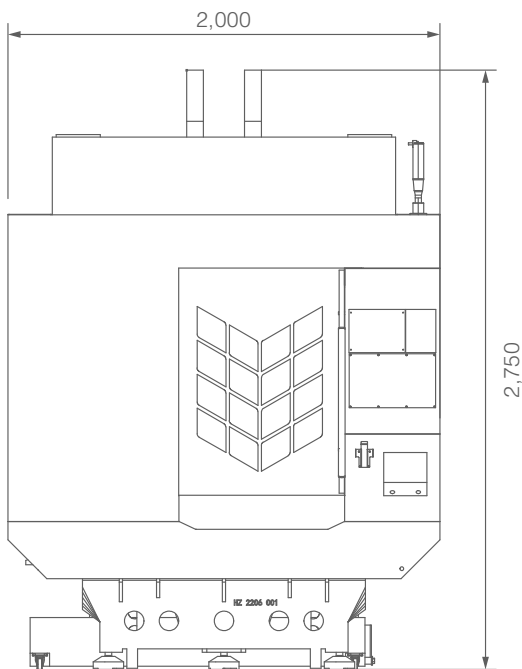
Automatic Centralized Lubrication System	Blow Gun
Chip-Flushing System	Electrical Cabinet Heat Exchanger
Coolant System	LED Work Light
Ethernet Port	Three-Color Alarm Light
Handwheel	Door Safety Interlock

Optional Configurations

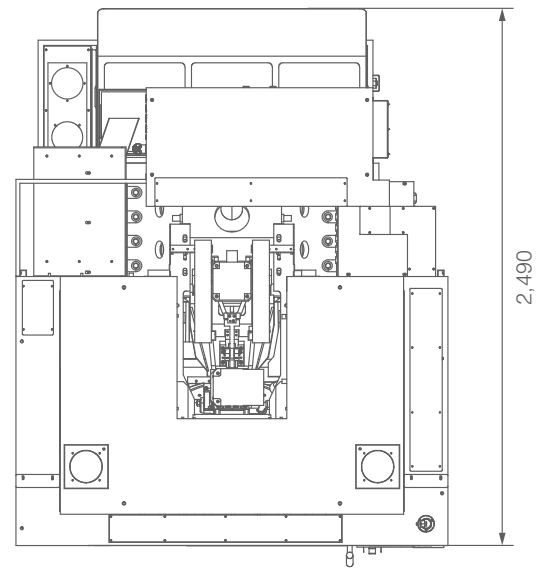
High Precision 3D Probe	Contact Tool Setter
Automatic Door	Add-On Tool Magazine (ATM-14)
Disc-Type Oil-Water Separator	Spindle Chiller
4/5th Axis Rotary Table	Non-Ultrasonic
Oil-Mist Collector	

Floor Plans (Unit: mm)

Front View



Top View



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Contact: Esther HU +86-138 2607 9999

E-mail: esther.hu@conprofotech.com

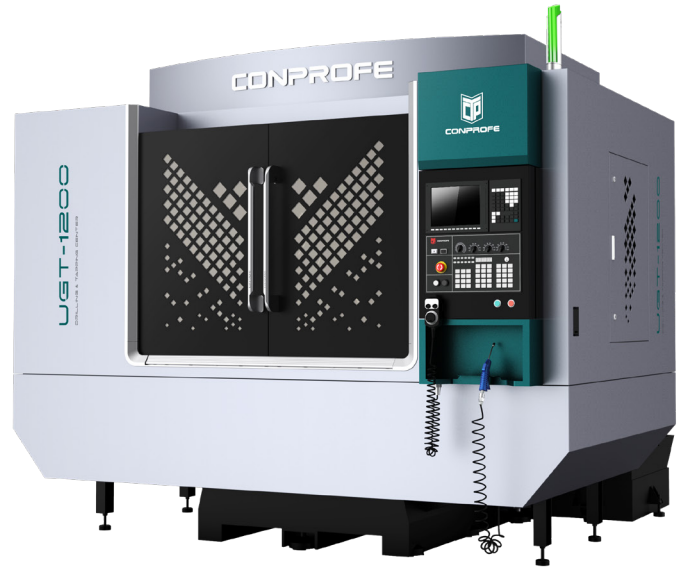
Address: No.6 2nd Nanyun Road, Science City, Hi-tech Development Zone, Guangzhou, 510663, P.R.C

UGT-700 20240118 VE3.1

Ultrasonic-Green

Drilling & Milling Center

UGT-1200



Technical Data

Controller	Standard	Optional
CNC Controller	Mitsubishi M80A	SIEMENS / FANUC

Spindle		
Diameter	mm	Φ100
Max. Speed (Short-Duration)	rpm	24,000
Max. Speed (Long-Duration)	rpm	19,200
Motor Power (Rated / Short-Duration)	kW	2.2/3.7
Motor Torque (Rated / Short-Duration)	Nm	7/17.7
Spindle Taper	-	BT30
Ultrasonic	-	Optional
Spindle-Through MQL	-	Optional
Ultrasonic + Spindle-Through MQL	-	Standard
Supercritical CO ₂ Spindle	-	Optional (Add-On)

Tool Magazine		
Tool Holding Capacity	No. of Tools	21
Max. Tool Diameter (Full / Partial)	mm	60/80
Max. Tool Length	mm	200
Max. Tool Weight	kg	3
Type	-	Arm Type

Miscellaneous		
Power Supply Voltage	-	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	15
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>100
Total Weight (incl. Accessories)	kg	6,000
Machine Size (L x W x H)	mm	2,930×2,980×2,700

Travel		
X/Y/Z-Axis Travel	mm	1,200×650×370
Spindle Nose to Table	mm	180-550
Spindle Center to Z-Axis Cover	mm	660

Worktable		
Dimensions	mm	1,300×600
Max. Load	kg	400
T-Slot (No. x Width x Distance)	pcs×mm×mm	5×18×125

Feed Rate		
X/Y/Z-Axis Rapid Speed	m/min	48/48/36
X/Y/Z-Axis Motor Power	kW	2.2/2.2/3.0

Accuracy		
X/Y/Z-Axis Positioning Accuracy	mm	0.007
X/Y/Z-Axis Repeatability	mm	0.004
Accuracy Grade	-	UP

Standard Configurations

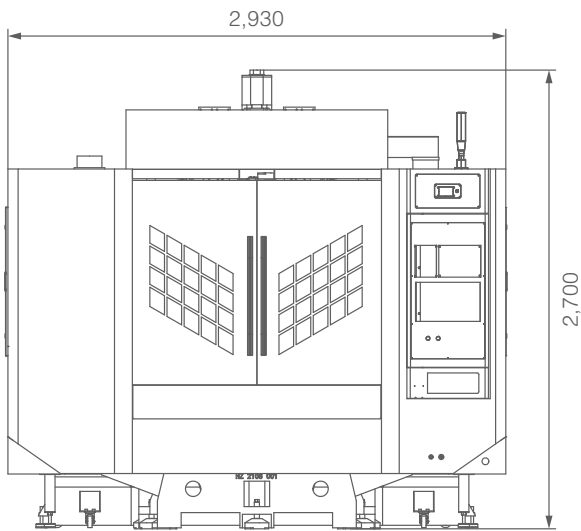
Automatic Centralized Lubrication System	Blow Gun
Chip-Flushing System	Electrical Cabinet Heat Exchanger
Coolant System	LED Work Light
Ethernet Port	Three-color Alarm Light
Handwheel	Door Safety Interlock

Optional Configurations

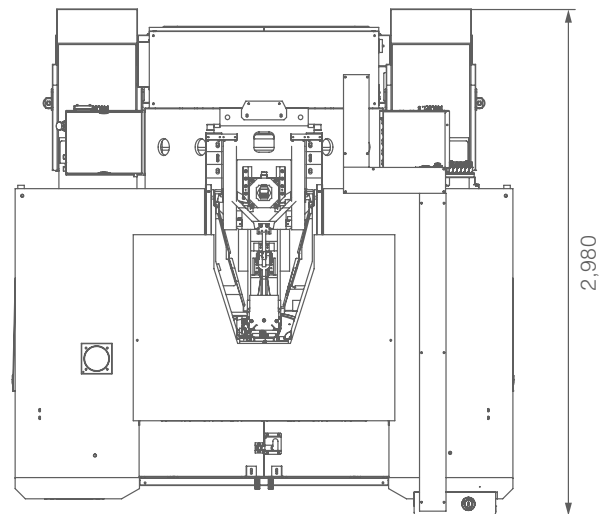
High Precision 3D Probe	Contact Tool Setter
Automatic Door	Add-On Tool Magazine (ATM-14)
Disc-Type Oil-Water Separator	Spindle Chiller
4/5th Axis Rotary Table	Non-Ultrasonic
Oil-Mist Collector	

Floor Plans (Unit: mm)

Front View



Top View



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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

UGT-1200 20240118 VE3.1

Conprofe Drilling & Milling Centers



UHT-500

UHT-700

UHT-1200

UHT Series

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UHT Series

Conprofe Machine Tool Co., Ltd. // Wholly-Owned Subsidiary of Conprofe Technology Group Co., Ltd.

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



Website



Direct Industry



LinkedIn

Ultrasonic High-Efficiency Drilling & Milling Center

JHT-500



Technical Data

Controller	Standard	Optional
CNC Controller	Mitsubishi M80A	SIEMENS / FANUC

Spindle		
Diameter	mm	Φ120
Max. Speed (Short-Duration)	rpm	30,000
Max. Speed (Long-Duration)	rpm	24,000
Motor Power (Rated / Short-Duration)	kW	Y: 5.5 Δ: 7.5
Motor Torque (Rated / Short-Duration)	Nm	Y: 8.73 Δ: 4.78
Spindle Taper	-	BT30
Ultrasonic	-	Standard
Spindle-Through MQL	-	/
Ultrasonic + Spindle-Through MQL	-	/
Supercritical CO ₂ Spindle	-	/

Tool Magazine		
Tool Holding Capacity	No. of Tools	21
Max. Tool Diameter (Full / Partial)	mm	60/80
Max. Tool Length	mm	200
Max. Tool Weight	kg	3
Type	-	Arm Type

Miscellaneous		
Power Supply Voltage	-	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	15
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>100
Total Weight (incl. Accessories)	kg	3,200
Machine Size (L x W x H)	mm	1,600×2,430×2,400
Area Size (L x W x H)	mm	1,600×2,430×2,400

Travel		
X/Y/Z-Axis Travel	mm	500×400×320
Spindle Nose to Table	mm	180-500
Spindle Center to Z-Axis Cover	mm	420

Worktable		
Dimensions	mm	620×400
Max. Load	kg	250
T-Slot (No. x Width x Distance)	pcs×mm×mm	3×14×125

Feed Rate		
X/Y/Z-Axis Rapid Speed	m/min	48/48/36
X/Y/Z-Axis Motor Power	kW	1.5/1.5/3.0

Accuracy		
X/Y/Z-Axis Positioning Accuracy	mm	0.006
X/Y/Z-Axis Repeatability	mm	0.004
Accuracy Grade	-	P

Standard Configurations

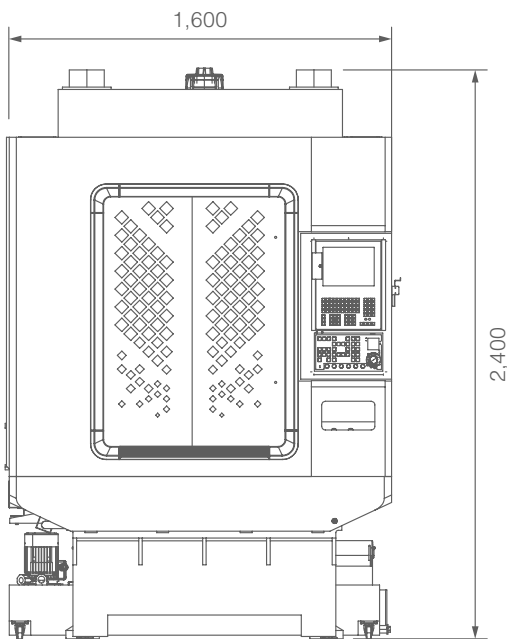
Automatic Centralized Lubrication System	Blow Gun
Chip-Flushing System	Electrical Cabinet Heat Exchanger
Coolant System	LED Work Light
Ethernet Port	Three-color Alarm Light
Handwheel	Door Safety Interlock

Optional Configurations

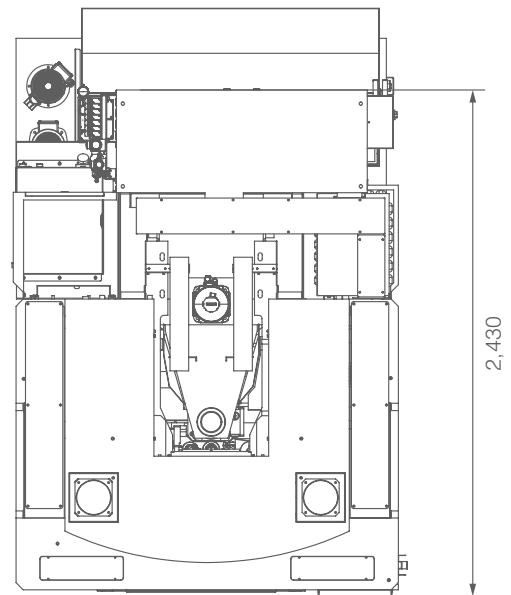
High Precision 3D Probe	Contact Tool Setter
Automatic Door	Add-On Tool Magazine (ATM-14)
Disc-Type Oil-Water Separator	Spindle Chiller
4/5th Axis Rotary Table	Tool Magazine Flushing System
Oil Mist Collector	Non-Ultrasonic

Floor Plans (Unit: mm)

Front View



Top View



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Contact: Esther HU +86-138 2607 9999

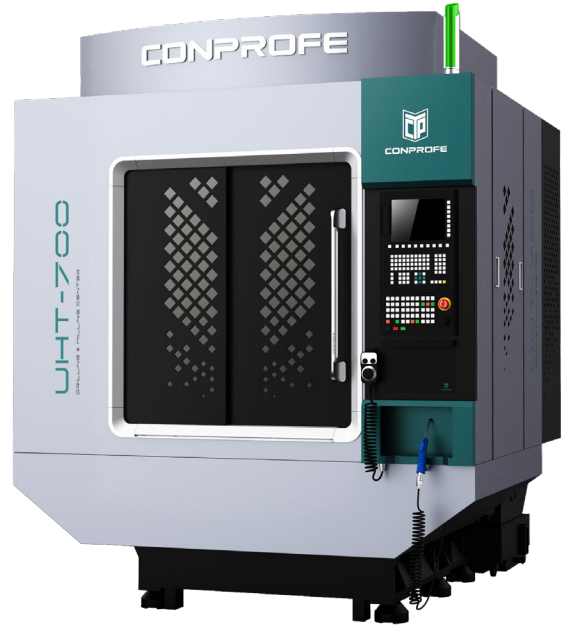
E-mail: esther.hu@conprofotech.com

Address: No.6 2nd Nanyun Road, Science City, Hi-tech Development Zone, Guangzhou, 510663, P.R.C

UHT-500 20240118 VE3.1

Ultrasonic High-Efficiency Drilling & Milling Center

JHT-700



Technical Data

Controller	Standard	Optional
CNC Controller	Mitsubishi M80A	SIEMENS / FANUC

Spindle		
Diameter	mm	Φ120
Max. Speed (Short-Duration)	rpm	30,000
Max. Speed (Long-Duration)	rpm	24,000
Motor Power (Rated / Short-Duration)	kW	Y: 5.5 Δ: 7.5
Motor Torque (Rated / Short-Duration)	Nm	Y: 8.73 Δ: 4.78
Spindle Taper	-	BT30
Ultrasonic	-	Standard
Spindle-Through MQL	-	/
Ultrasonic + Spindle-Through MQL	-	/
Supercritical CO ₂ Spindle	-	/

Tool Magazine		
Tool Holding Capacity	No. of Tools	21
Max. Tool Diameter (Full / Partial)	mm	60/80
Max. Tool Length	mm	200
Max. Tool Weight	kg	3
Type	-	Arm Type

Miscellaneous		
Power Supply Voltage	-	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	15
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>100
Total Weight (incl. Accessories)	kg	3,500
Machine Size (L x W x H)	mm	2,000×2,490×2,750
Area Size (L x W x H)	mm	1,600×2,430×2,400

Travel		
X/Y/Z-Axis Travel	mm	700×400×320
Spindle Nose to Table	mm	180-500
Spindle Center to Z-Axis Cover	mm	410

Worktable		
Dimensions	mm	800×400
Max. Load	kg	250
T-Slot (No. x Width x Distance)	pcs×mm×mm	3×14×125

Feed Rate		
X/Y/Z-Axis Rapid Speed	m/min	48/48/36
X/Y/Z-Axis Motor Power	kW	1.5/1.5/3.0

Accuracy		
X/Y/Z-Axis Positioning Accuracy	mm	0.008
X/Y/Z-Axis Repeatability	mm	0.005
Accuracy Grade	-	P

Standard Configurations

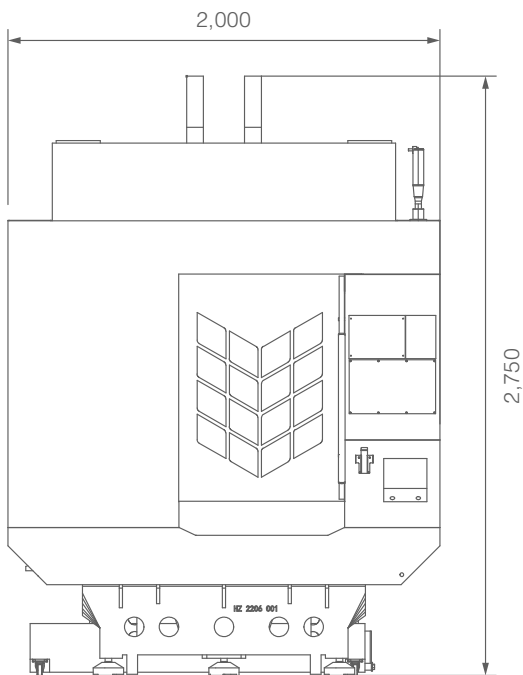
Automatic Centralized Lubrication System	Blow Gun
Chip-Flushing System	Electrical Cabinet Heat Exchanger
Coolant System	LED Work Light
Ethernet Port	Three-Color Alarm Light
Handwheel	Door Safety Interlock

Optional Configurations

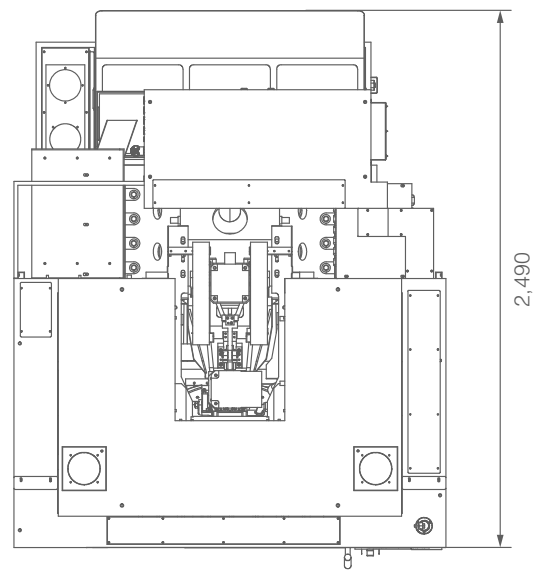
High Precision 3D Probe	Contact Tool Setter
Automatic Door	Add-On Tool Magazine (ATM-14)
Disc-Type Oil-Water Separator	Spindle Chiller
4/5th Axis Rotary Table	Non-Ultrasonic
Oil Mist Collector	

Floor Plans (Unit: mm)

Front View



Top 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

UHT-700 20240118 VE3.1

Ultrasonic High-Efficiency Drilling & Milling Center

JHT-1200



Technical Data

Controller	Standard	Optional
CNC Controller	Mitsubishi M80A	SIEMENS / FANUC

Spindle		
Diameter	mm	Φ120
Max. Speed (Short-Duration)	rpm	30,000
Max. Speed (Long-Duration)	rpm	24,000
Motor Power (Rated / Short-Duration)	kW	Y: 5.5 Δ: 7.5
Motor Torque (Rated / Short-Duration)	Nm	Y: 8.73 Δ: 4.78
Spindle Taper	-	BT30
Ultrasonic	-	Standard
Spindle-Through MQL	-	/
Ultrasonic + Spindle-Through MQL	-	/
Supercritical CO ₂ Spindle	-	/

Tool Magazine		
Tool Holding Capacity	No. of Tools	21
Max. Tool Diameter (Full / Partial)	mm	60/80
Max. Tool Length	mm	200
Max. Tool Weight	kg	3
Type	-	Arm Type

Miscellaneous		
Power Supply Voltage	-	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	15
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>100
Total Weight (incl. Accessories)	kg	6,000
Machine Size (L x W x H)	mm	2,930×2,980×2,700

Travel		
X/Y/Z-Axis Travel	mm	1,200×650×370
Spindle Nose to Table	mm	180-550
Spindle Center to Z-Axis Cover	mm	660

Worktable		
Dimensions	mm	1,300×600
Max. Load	kg	400
T-Slot (No. x Width x Distance)	pcs×mm×mm	5×18×125

Feed Rate		
X/Y/Z-Axis Rapid Speed	m/min	48/48/36
X/Y/Z-Axis Motor Power	kW	2.2/2.2/3.0

Accuracy		
X/Y/Z-Axis Positioning Accuracy	mm	0.008
X/Y/Z-Axis Repeatability	mm	0.005
Accuracy Grade	-	P

Standard Configurations

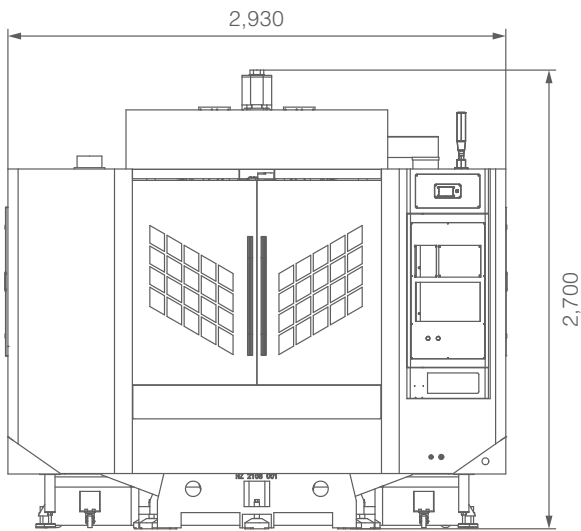
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Optional Configurations

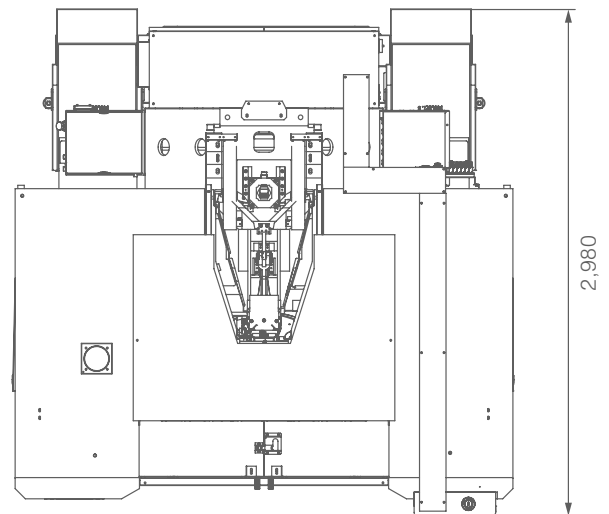
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Oil-Mist Collector	

Floor Plans (Unit: mm)

Front View



Top View



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E-mail: esther.hu@conprofotech.com

Address: No.6 2nd Nanyun Road, Science City, Hi-tech Development Zone, Guangzhou, 510663, P.R.C

UHT-1200 20240118 VE3.1

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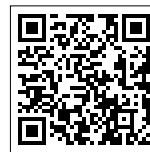
Conprofe Technology Group Co., Ltd.

Website: www.conprofecnc.com

E-mail: esther.hu@conprofetech.com

Tel: +86-138 2607 9999

Address: No.6 2nd Nanyun Road, Science City,
Hi-tech Development Zone, Guangzhou, 510663, P.R.C



Website



Direct Industry



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