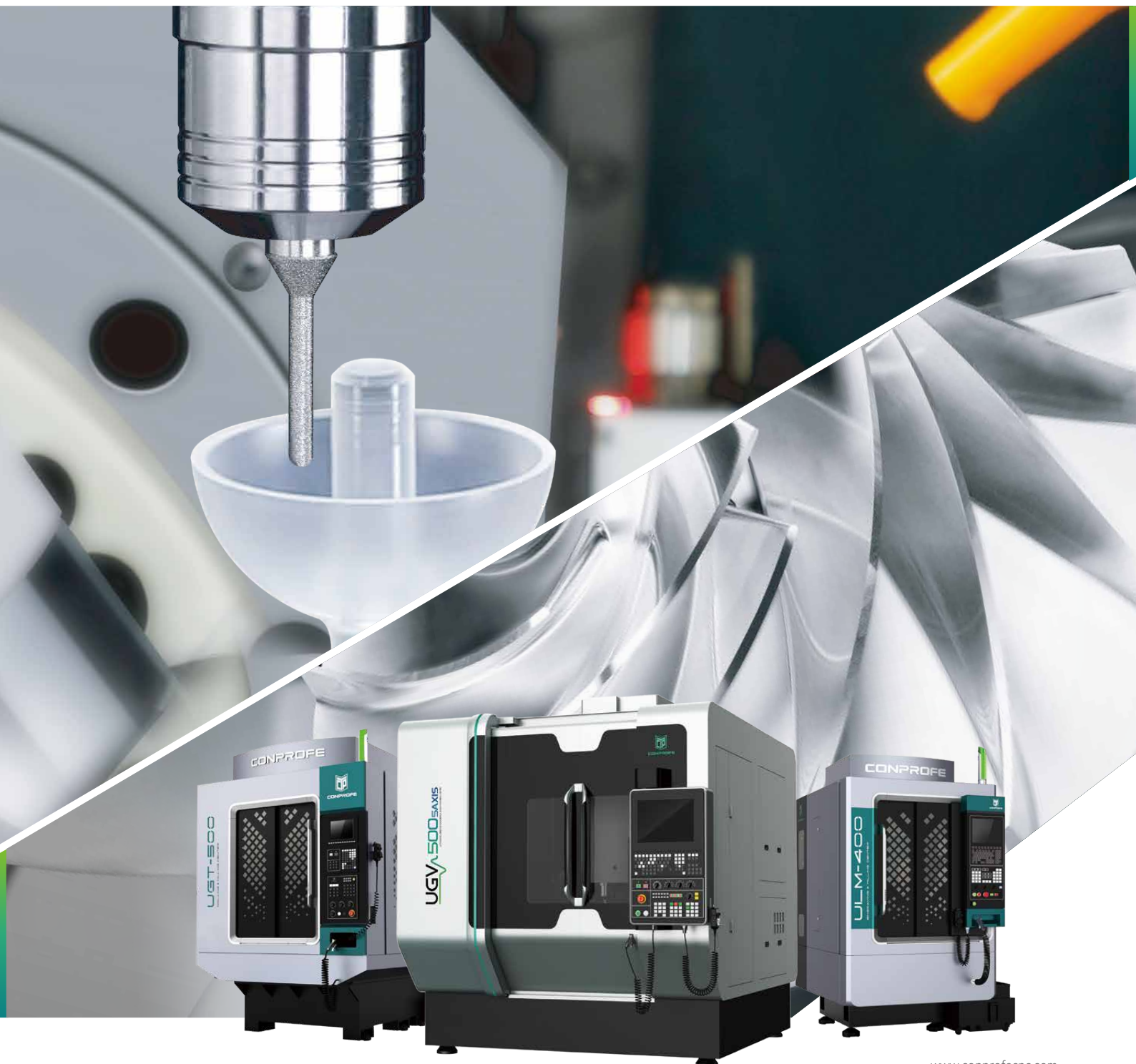


Ultrasonic-Green Machine Tools



Contents

01

Conprofe Vertical 5-Axis Simultaneous Machining Centers

03-45

SPV200-5AXIS 04	ULV200-5AXIS 18	UGV200-5AXIS 32
SPV400-5AXIS	ULV400-5AXIS	UGV400-5AXIS
SPV500-5AXIS	ULV500-5AXIS	UGV500-5AXIS
SPV650-5AXIS	ULV650-5AXIS	UGV650-5AXIS
SPV800-5AXIS	ULV800-5AXIS	UGV800-5AXIS
SPV1000-5AXIS	ULV1000-5AXIS	UGV1000-5AXIS
SPV1250-5AXIS	ULV1250-5AXIS	UGV1250-5AXIS

02

Conprofe 5-Axis Gantry Machining Centers

46-53

UGG4020H-5AXIS 47	UGG8028-5AXIS 49	UGG12060-5AXIS 51
UGG6028-5AXIS	UGG8040-5AXIS	UMG15080-5AXIS
UGG6030L-5AXIS	UGG9050-5AXIS	UMG20080-5AXIS
UGG6040-5AXIS	UGG12028-5AXIS	

03

Conprofe Engraving & Milling Centers

54-86

ULM-400A 55	ULM-600B 67	ULM-1200A 77
ULM-400B	ULM-600C	ULM-1200B
ULM-400C	ULM-800A	ULM-1200C
ULM-500A	ULM-800B	URB-400 83
ULM-500B	ULM-800C	URB-800
ULM-600A		

04

Conprofe Graphite Machining Centers 87-93

UPG-500B 88
UPG-600C
UPG-800C

05

Conprofe Vertical Machining Centers 94-100

UGV-500 95
UGV-856
UGV-1165

06

Conprofe Drilling & Milling Centers 101-113

UGT-500 102	UHT-500 108
UGT-700	UHT-700
UGT-1200	UHT-1200

07

Conprofe Lightweight Vertical 5-Axis Machining Centers 114-118

LVD100-5AXIS 115
UGV100L-5AXIS

Conprofe Vertical 5-Axis Simultaneous Machining Centers



SPV & ULV & UGV Series

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

SPV & ULV & 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 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 + 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 (L×W×H)	mm	1,600×2,700×2,080

Travel

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

Worktable

Dimensions	mm	Φ200
Max. Load	kg	30
T-Slot (No.×Width)	pcs×mm×mm	4-14H8
Max. Workpiece Size	mm	Φ200×190

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

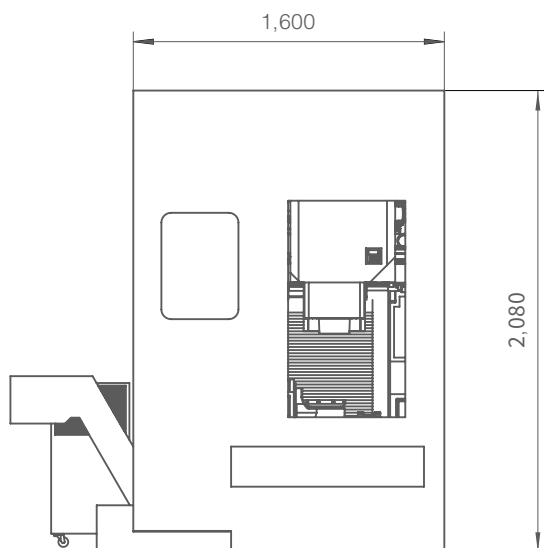
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electric Spindle	Anti-Collision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

Optional Configurations

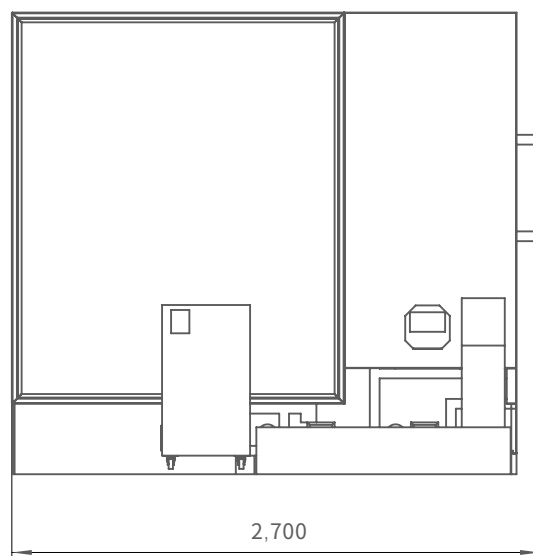
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
Spindle-Through Unit
Ultrasonic Machining System

Floor Plans (Unit: mm)

Front View



Side View



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

Contact: Esther HU +86-138 2607 9999

E-mail: esther.hu@conprofotech.com

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

SPV200-5AXIS 20240614 VE2.0

Ultrasonic-Green Vertical 5-Axis Machining Center

SPV400-5AXIS



Technical Data

Controller

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

Spindle

Diameter	mm	Φ120
Max. Speed (Short-Duration)	rpm	30,000
Max. Speed (Long-Duration)	rpm	24,000
Spindle Taper	-	HSK-E40
Motor Power	kW	7.5
Motor Torque	Nm	3.4
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-E40
Type	-	Chain Type

Miscellaneous

Power Supply Voltage	-	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	45
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>60
Total Weight (incl. Accessories)	kg	7,000
Machine Size (L×W×H)	mm	2,000×3,310×2,420

Travel

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

Worktable

Dimensions	mm	Φ400
Max. Load	kg	200
T-Slot (No.×Width)	pcs×mm×mm	8-12H8
Max. Workpiece Size	mm	Φ400×400

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

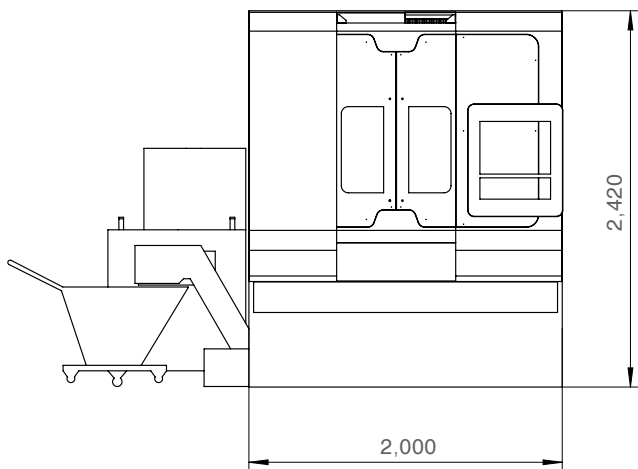
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electric Spindle	Anti-Collision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

Optional Configurations

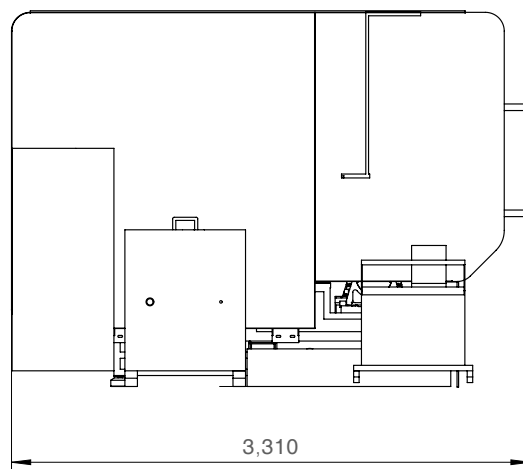
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
HSK-A63 Spindle Taper
Spindle-Through Unit
Ultrasonic Machining System

Floor Plans (Unit: mm)

Front View



Top View



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

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

SPV400-5AXIS 20240614 VE1.9

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	87
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

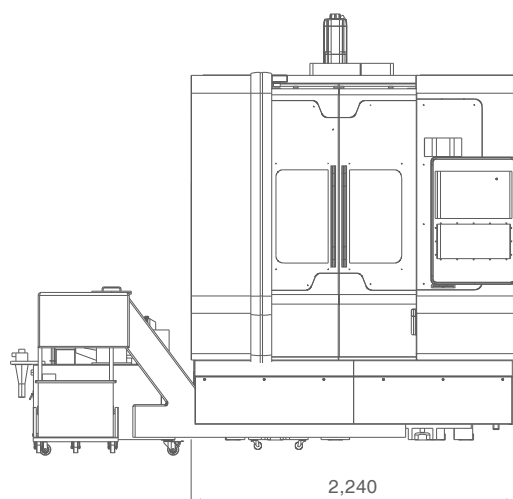
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electric Spindle	Anti-Collision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

Optional Configurations

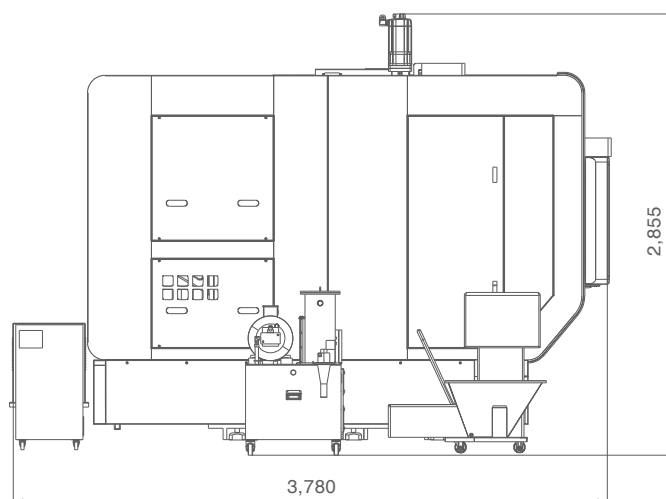
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
T40 Chain Type Tool Magazine
Spindle-Through Unit
Ultrasonic Machining System

Floor Plans (Unit: mm)

Front View



Side View



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

Contact: Esther HU +86-138 2607 9999

E-mail: esther.hu@conprofotech.com

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

SPV500-5AXIS 20240614 VE2.0

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	87
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	750×800×550
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

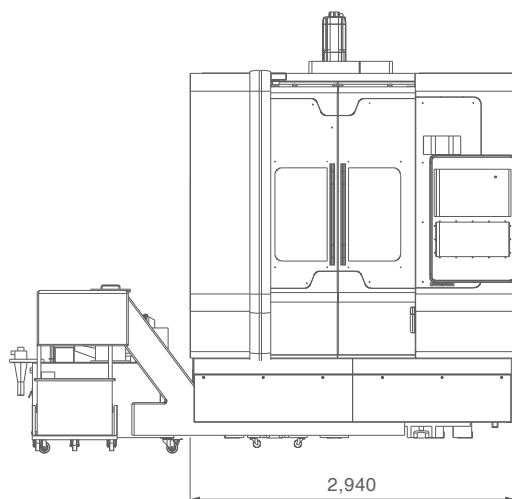
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electric Spindle	Anti-Collision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

Optional Configurations

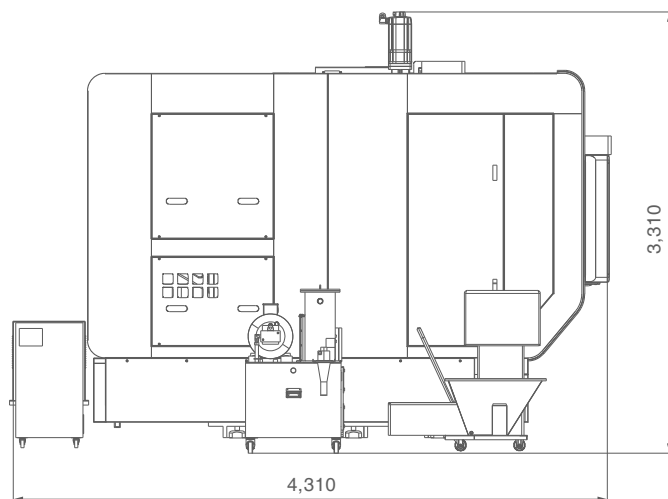
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
T64 Chain Type Tool Magazine
Spindle-Through Unit
Ultrasonic Machining System

Floor Plans (Unit: mm)

Front View



Side View



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

Contact: Esther HU +86-138 2607 9999

E-mail: esther.hu@conprofotech.com

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

SPV650-5AXIS 2024614 VE1.9

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	87
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

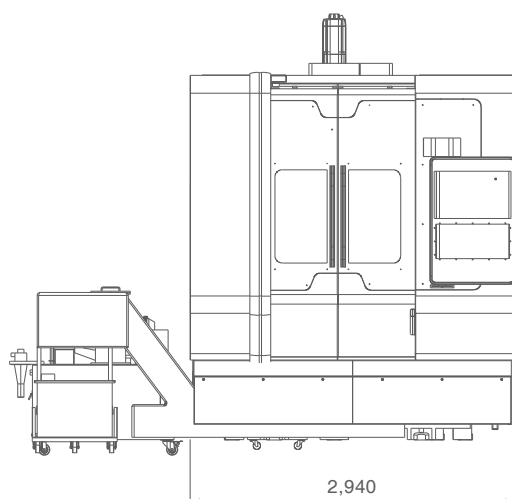
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electric Spindle	Anti-Collision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

Optional Configurations

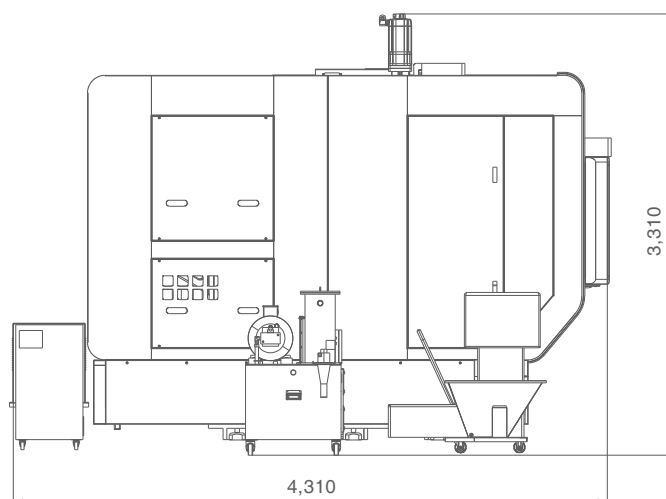
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
T64 Chain Type Tool Magazine
Spindle-Through Unit
Ultrasonic Machining System

Floor Plans (Unit: mm)

Front View



Side View



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

Contact: Esther HU +86-138 2607 9999

E-mail: esther.hu@conprofotech.com

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

SPV800-5AXIS 20240614 VE1.9

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 + 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	Φ1,000×500

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

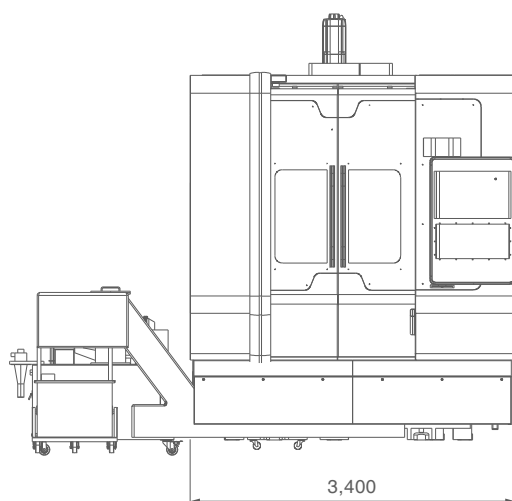
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electric Spindle	Anti-Collision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

Optional Configurations

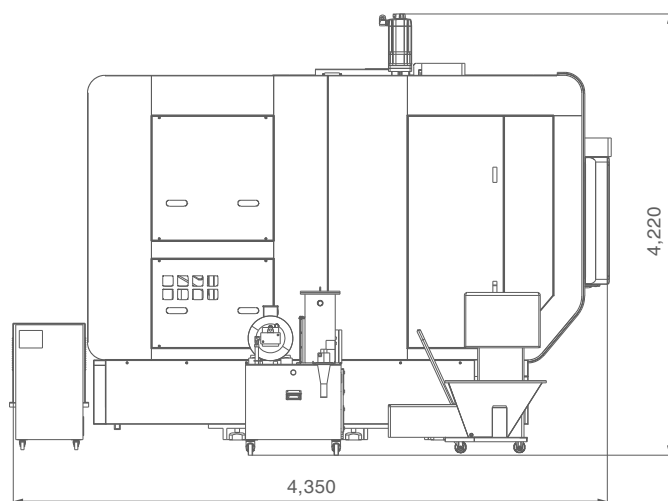
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
T64 Chain Type Tool Magazine
Spindle-Through Unit
Ultrasonic Machining System

Floor Plans (Unit: mm)

Front View



Side View



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

Contact: Esther HU +86-138 2607 9999

E-mail: esther.hu@conprofotech.com

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

SPV1000-5AXIS 20240614 VE1.8

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 + 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 (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	Φ1,200
Max. Load	kg	1,200
T-Slot (No.×Width)	pcs×mm×mm	8-18H8
Max. Workpiece Size	mm	Φ1,200×550

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

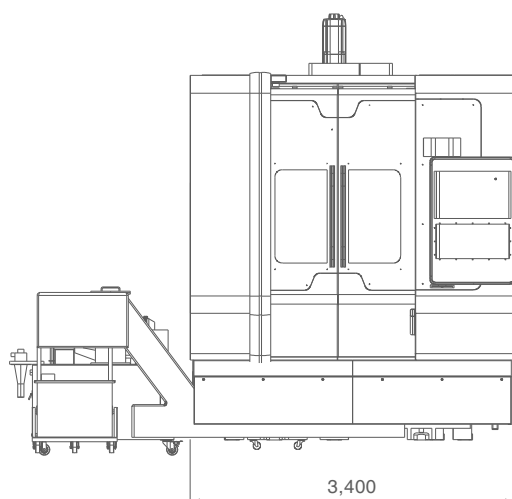
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electric Spindle	Anti-Collision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

Optional Configurations

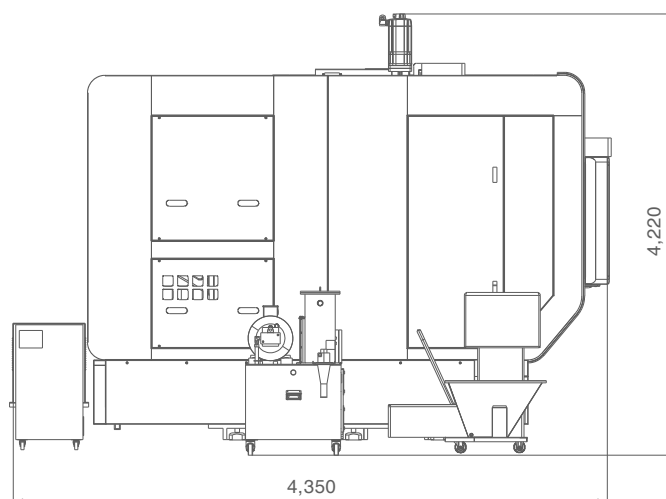
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
T64 Chain Type Tool Magazine
Spindle-Through Unit
Ultrasonic Machining System

Floor Plans (Unit: mm)

Front View



Side View



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

Contact: Esther HU +86-138 2607 9999

E-mail: esther.hu@conprofotech.com

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

SPV1250-5AXIS 20240614 VE1.8

Ultrasonic High-Efficiency Vertical 5-Axis Machining Center



ULV200-5AXIS

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	-	Standard

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 (L×W×H)	mm	1,600×2,700×2,080

Travel

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

Worktable

Dimensions	mm	Φ200
Max. Load	kg	30
T-Slot (No.×Width)	pcs×mm×mm	4-14H8
Max. Workpiece Size	mm	Φ200×190

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

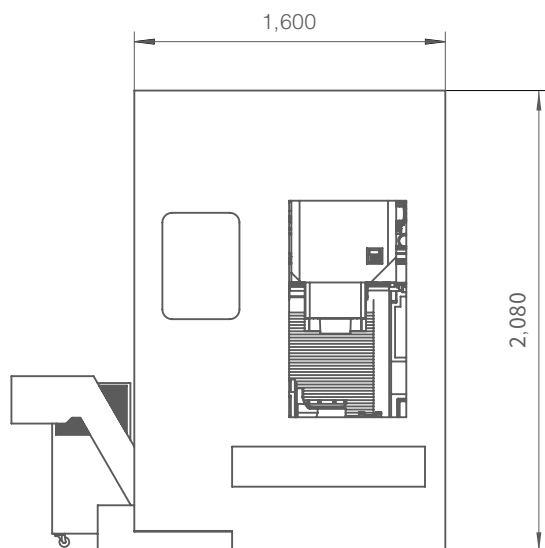
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electric Spindle	Anti-Collision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

Optional Configurations

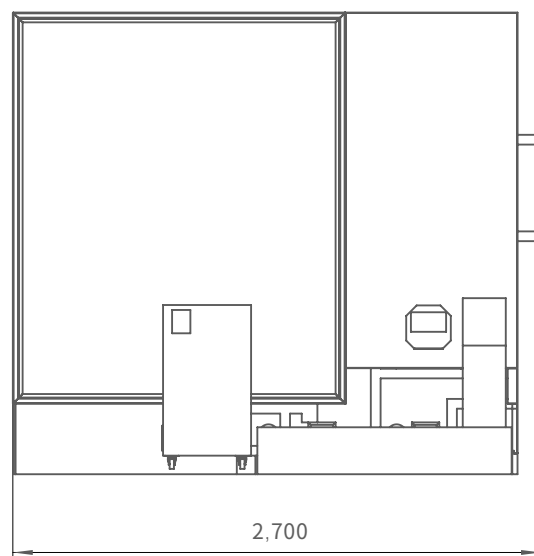
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
Spindle-Through Unit
Minimum Quantity Lubrication (MQL) System

Floor Plans (Unit: mm)

Front View



Side View



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

Contact: Esther HU +86-138 2607 9999

E-mail: esther.hu@conprofotech.com

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

ULV200-5AXIS 202400614 VE2.7

Ultrasonic High-Efficiency Vertical 5-Axis Machining Center

ULV400-5AXIS



Technical Data

Controller

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

Spindle

Diameter	mm	Φ120
Max. Speed (Short-Duration)	rpm	30,000
Max. Speed (Long-Duration)	rpm	24,000
Spindle Taper	-	HSK-E40
Motor Power	kW	7.5
Motor Torque	Nm	3.4
Ultrasonic	-	Standard

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-E40
Type	-	Chain Type

Miscellaneous

Power Supply Voltage	-	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	45
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>60
Total Weight (incl. Accessories)	kg	7,000
Machine Size (L×W×H)	mm	2,000×3,310×2,420

Travel

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

Worktable

Dimensions	mm	Φ400
Max. Load	kg	200
T-Slot (No.×Width)	pcs×mm×mm	8-12H8
Max. Workpiece Size	mm	Φ400×400

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

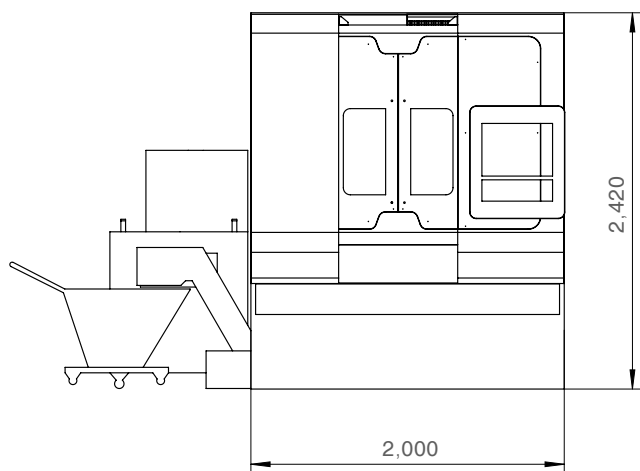
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electric Spindle	Anti-Collision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

Optional Configurations

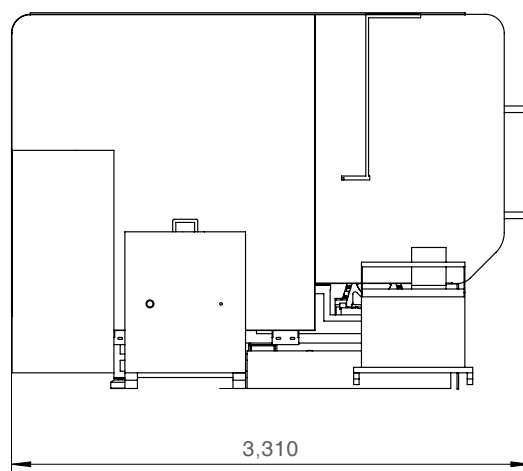
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
HSK-A63 Spindle Taper
Spindle-Through Unit

Floor Plans (Unit: mm)

Front View



Side View



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

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

ULV400-5AXIS 20240614 VE2.7

Ultrasonic High-Efficiency Vertical 5-Axis Machining Center

ULV500-5AXIS



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	87
Ultrasonic	-	Standard

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

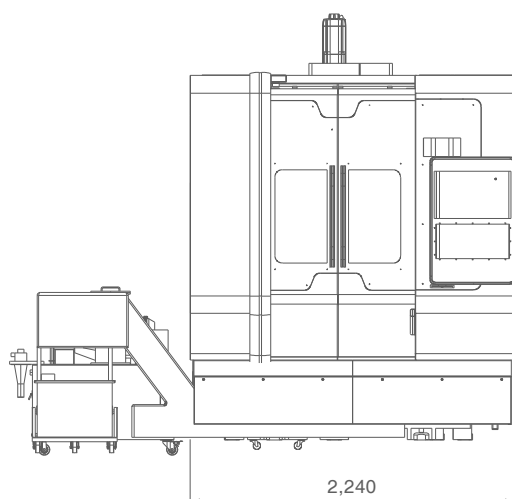
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electric Spindle	Anti-Collision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

Optional Configurations

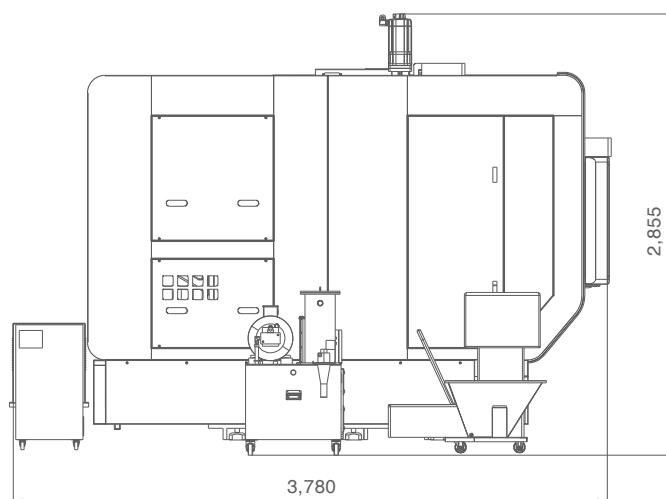
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
T40 Chain Type Tool Magazine
Spindle-Through Unit
Minimum Quantity Lubrication (MQL) System

Floor Plans (Unit: mm)

Front View



Side View



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

Contact: Esther HU +86-138 2607 9999

E-mail: esther.hu@conprofotech.com

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

ULV500-5AXIS 20240614 VE2.7

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	87
Ultrasonic	-	Standard

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	750×800×550
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

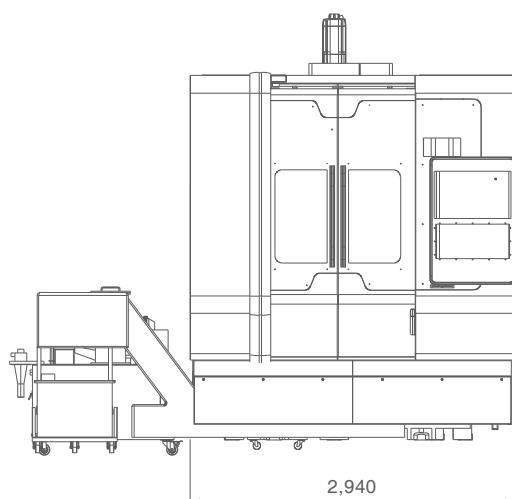
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electrical Spindle	Anti-Collision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

Optional Configurations

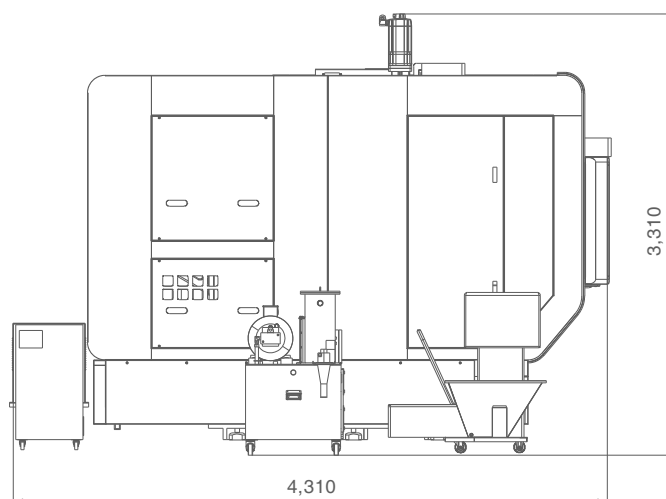
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
T64 Chain Type Tool Magazine
Spindle-Through Unit
Minimum Quantity Lubrication (MQL) System

Floor Plans (Unit: mm)

Front View



Side View



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

Contact: Esther HU +86-138 2607 9999

E-mail: esther.hu@conprofotech.com

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

ULV650-5AXIS 20240614 VE2.7

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	87
Ultrasonic	-	Standard

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

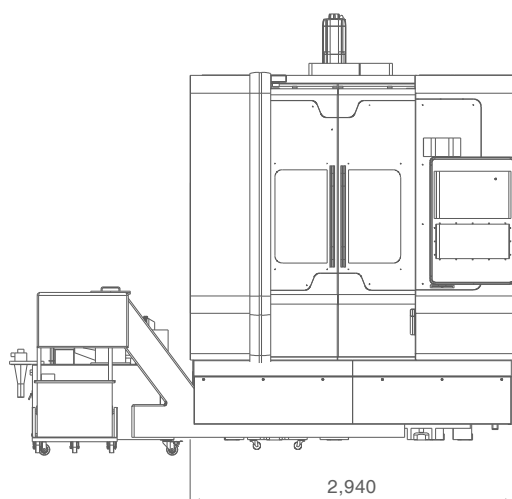
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electric Spindle	Anti-Collision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

Optional Configurations

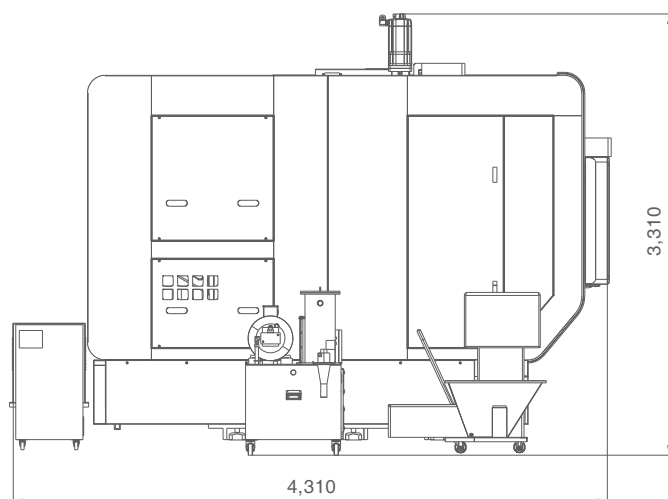
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
T64 Chain Type Tool Magazine
Spindle-Through Unit
Minimum Quantity Lubrication (MQL) System

Floor Plans (Unit: mm)

Front View



Side View



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

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

ULV800-5AXIS 20240614 VE2.7

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

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	Φ1,000×500

Feed Rate

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

Accuracy

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

Standard Configurations

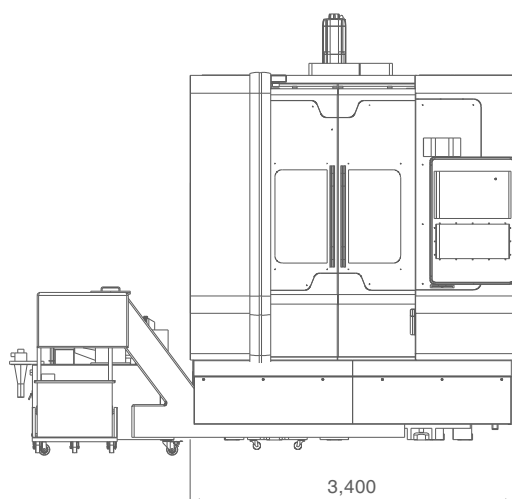
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electric Spindle	Anti-Collision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

Optional Configurations

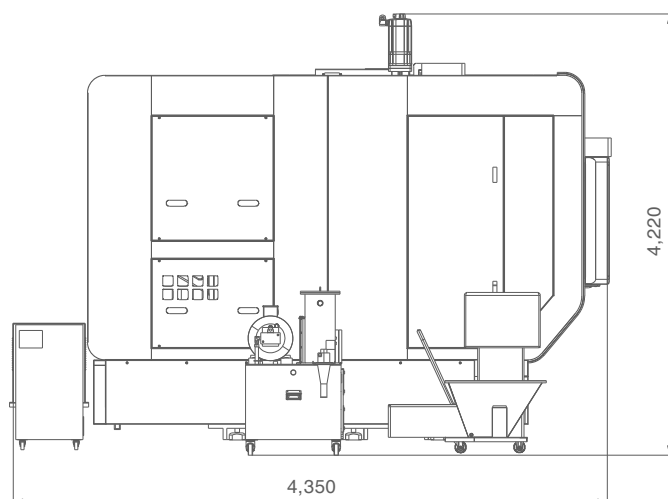
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
T64 Chain Type Tool Magazine
Spindle-Through Unit
Minimum Quantity Lubrication (MQL) System

Floor Plans (Unit: mm)

Front View



Side View



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

Contact: Esther HU +86-138 2607 9999

E-mail: esther.hu@conprofotech.com

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

ULV1000-5AXIS 20240614 VE2.7

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

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 (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	Φ1,200
Max. Load	kg	1,200
T-Slot (No.×Width)	pcs×mm×mm	8-18H8
Max. Workpiece Size	mm	Φ1,200×550

Feed Rate

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

Accuracy

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

Standard Configurations

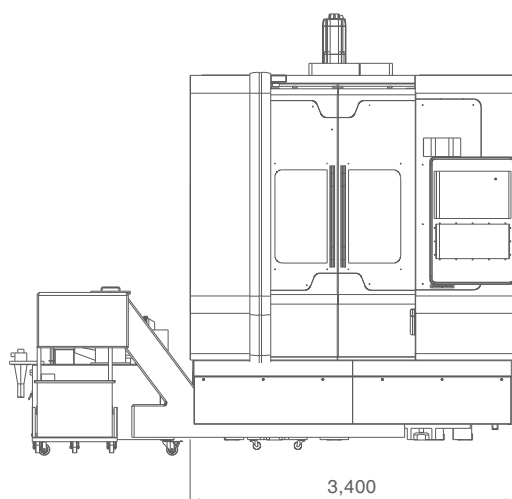
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electric Spindle	Anti-Collision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

Optional Configurations

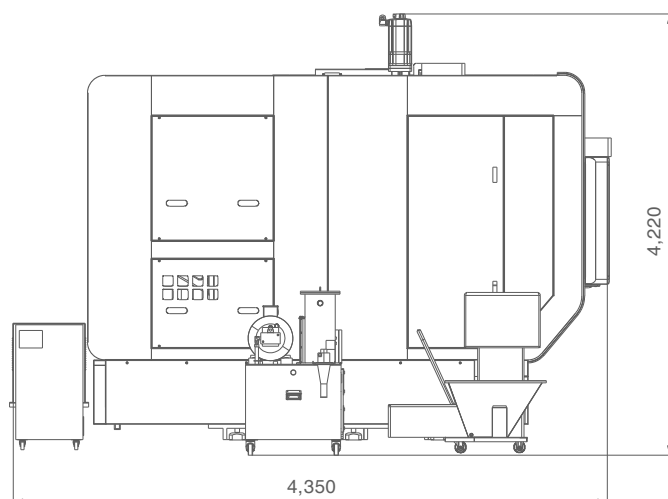
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
T64 Chain Type Tool Magazine
Spindle-Through Unit
Minimum Quantity Lubrication (MQL) System

Floor Plans (Unit: mm)

Front View



Side View



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

Contact: Esther HU +86-138 2607 9999

E-mail: esther.hu@conprofotech.com

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

ULV1250-5AXIS 20240614 VE2.7

Ultrasonic-Green Vertical 5-Axis Machining Center

UGV200-5AXIS



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 + MQL	-	Standard

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 (L×W×H)	mm	1,600×2,700×2,080

Travel

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

Worktable

Dimensions	mm	Φ200
Max. Load	kg	30
T-Slot (No.×Width)	pcs×mm×mm	4-14H8
Max. Workpiece Size	mm	Φ200×190

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

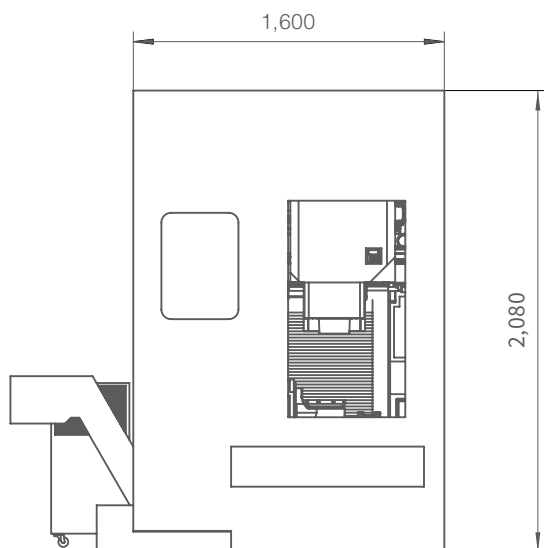
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electric Spindle	Anti-Collision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

Optional Configurations

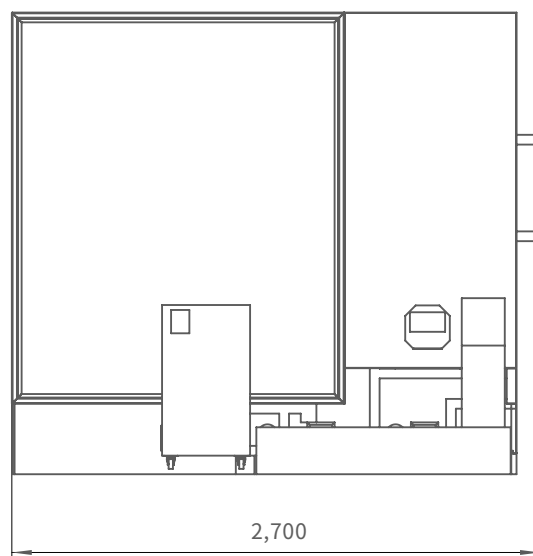
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
Spindle-Through Unit

Floor Plans (Unit: mm)

Front View



Side View



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

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

UGV200-5AXIS 20240605 VE1.0

Ultrasonic-Green Vertical 5-Axis Machining Center

UGV400-5AXIS



Technical Data

Controller

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

Spindle

Diameter	mm	Φ120
Max. Speed (Short-Duration)	rpm	30,000
Max. Speed (Long-Duration)	rpm	24,000
Spindle Taper	-	HSK-E40
Motor Power	kW	7.5
Motor Torque	Nm	3.4
Ultrasonic + MQL	-	Standard

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-E40
Type	-	Chain Type

Miscellaneous

Power Supply Voltage	-	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	45
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>60
Total Weight (incl. Accessories)	kg	7,000
Machine Size (L×W×H)	mm	2,000×3,310×2,420

Travel

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

Worktable

Dimensions	mm	Φ400
Max. Load	kg	200
T-Slot (No.×Width)	pcs×mm×mm	8-12H8
Max. Workpiece Size	mm	Φ400×400

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

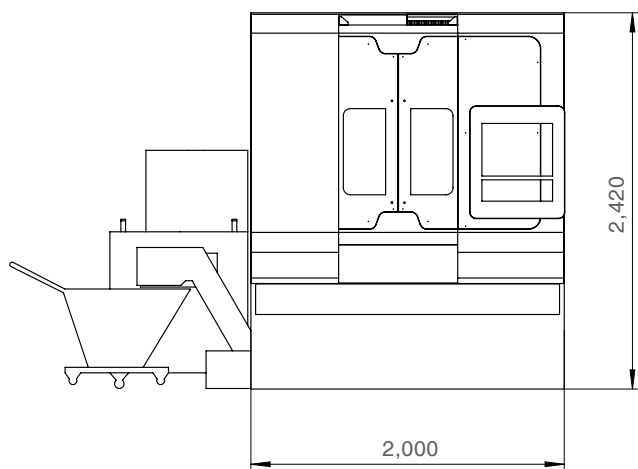
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electric Spindle	Anti-Collision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

Optional Configurations

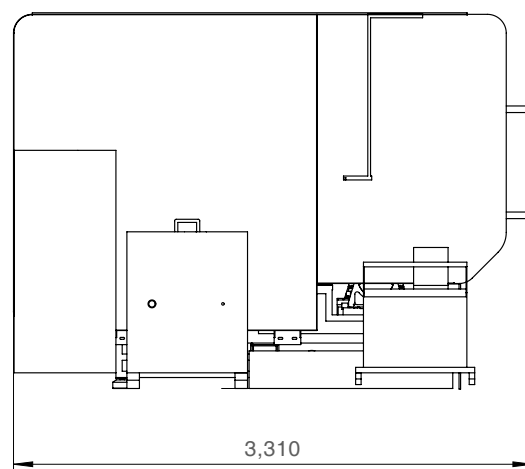
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
HSK-A63 Spindle Taper
Spindle-Through Unit
Ultrasonic Machining System

Floor Plans (Unit: mm)

Front View



Side View



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

Contact: Esther HU +86-138 2607 9999

E-mail: esther.hu@conprofetech.com

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

UGV400-5AXIS 20240605 VE1.0

Ultrasonic-Green Vertical 5-Axis Machining Center

UGV500-5AXIS



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	87
Ultrasonic + MQL	-	Standard

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

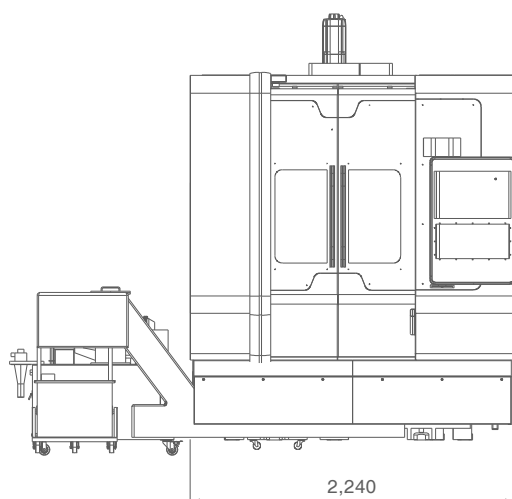
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electric Spindle	Anti-Collision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

Optional Configurations

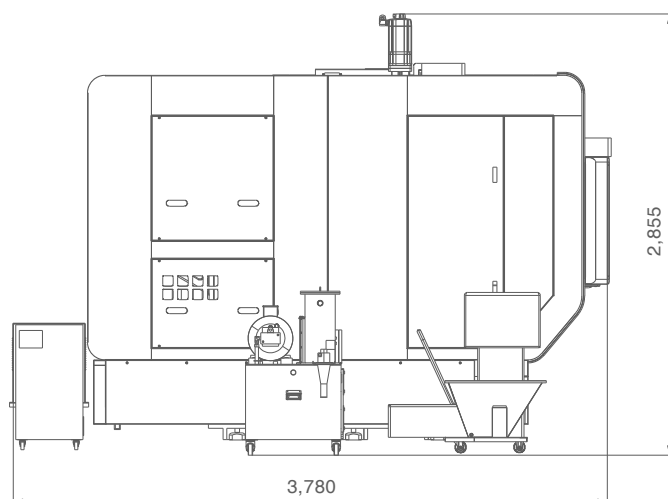
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
T40 Chain Type Tool Magazine
Spindle-Through Unit

Floor Plans (Unit: mm)

Front View



Side View



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

Contact: Esther HU +86-138 2607 9999

E-mail: esther.hu@conprofotech.com

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

UGV500-5AXIS 20240605 VE1.0

Ultrasonic-Green Vertical 5-Axis Machining Center

UGV650-5AXIS



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	87
Ultrasonic + MQL	-	Standard

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	750×800×550
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

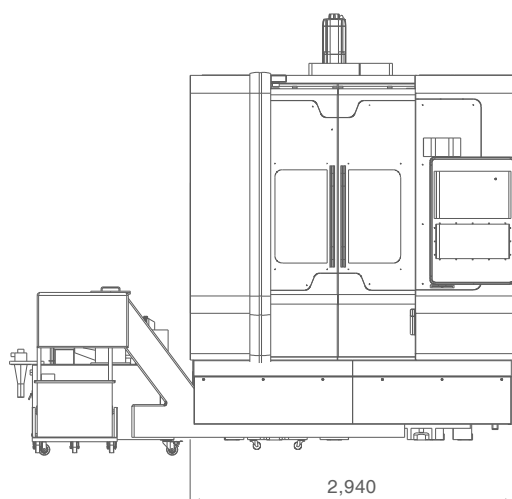
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electric Spindle	Anti-Collision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

Optional Configurations

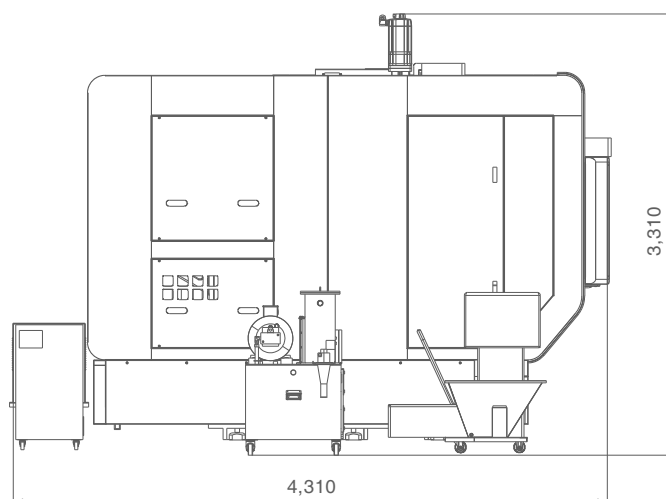
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
T64 Chain Type Tool Magazine
Spindle-Through Unit

Floor Plans (Unit: mm)

Front View



Side View



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

Contact: Esther HU +86-138 2607 9999

E-mail: esther.hu@conprofotech.com

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

UGV650-5AXIS 20240605 VE1.0

Ultrasonic-Green Vertical 5-Axis Machining Center

UGV800-5AXIS



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	87
Ultrasonic + MQL	-	Standard

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

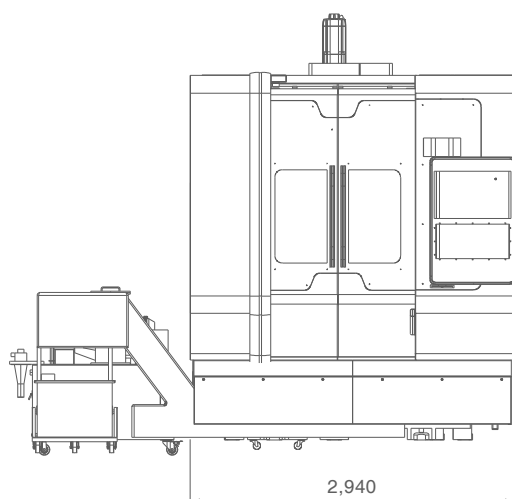
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electric Spindle	Anti-Collision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

Optional Configurations

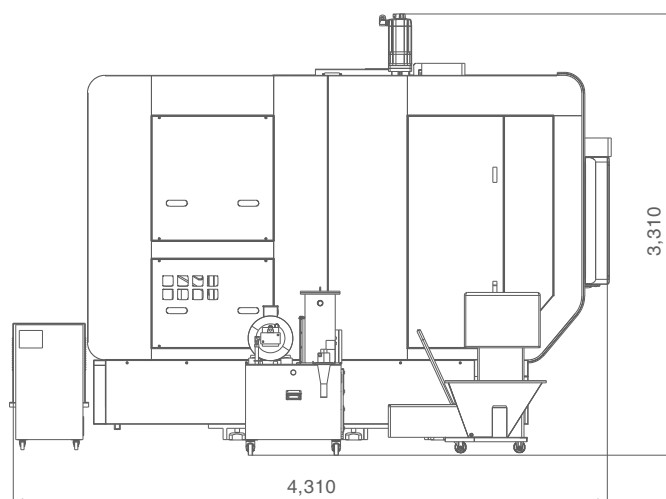
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
T64 Chain Type Tool Magazine
Spindle-Through Unit

Floor Plans (Unit: mm)

Front View



Side View



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

Contact: Esther HU +86-138 2607 9999

E-mail: esther.hu@conprofotech.com

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

UGV800-5AXIS 20240605 VE1.0

Ultrasonic-Green Vertical 5-Axis Machining Center

UGV1000-5AXIS



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 + MQL	-	Standard

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	Φ1,000×500

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

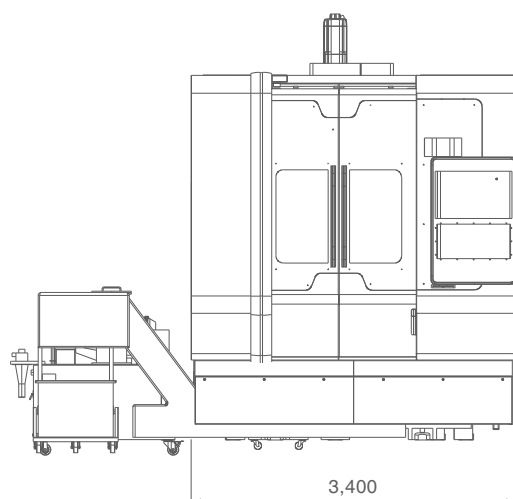
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electric Spindle	Anti-Collision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

Optional Configurations

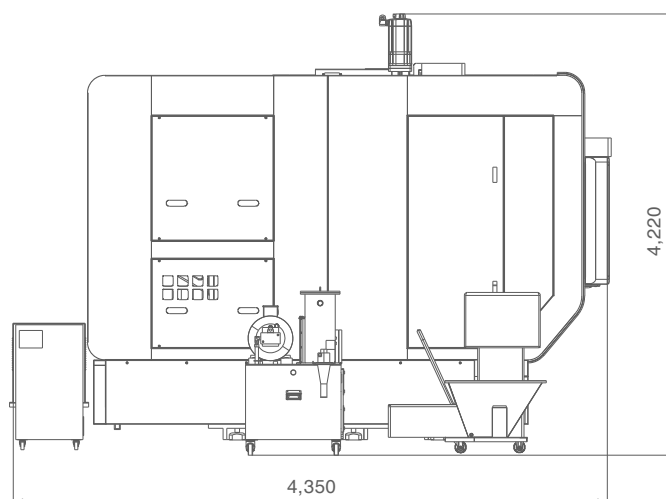
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
T64 Chain Type Tool Magazine
Spindle-Through Unit

Floor Plans (Unit: mm)

Front View



Side View



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

Contact: Esther HU +86-138 2607 9999

E-mail: esther.hu@conprofotech.com

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

UGV1000-5AXIS 20240605 VE1.0

Ultrasonic-Green Vertical 5-Axis Machining Center

UGV1250-5AXIS



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 + MQL	-	Standard

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 (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	Φ1,200
Max. Load	kg	1,200
T-Slot (No.×Width)	pcs×mm×mm	8-18H8
Max. Workpiece Size	mm	Φ1,200×550

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

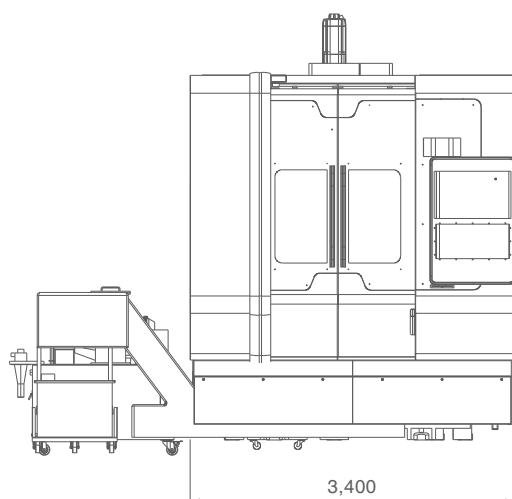
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Contact Tool Setter	Door Safety Interlock
HEIDENHAIN Linear Encoders	5-Axis Simultaneous Machining System (with RTCP Function)
Electric Spindle	Anti-Collision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

Optional Configurations

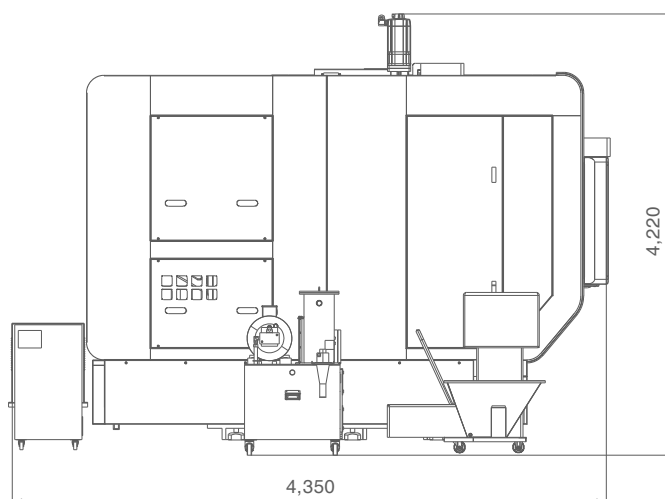
High Precision 3D Probe
Oil-Mist Collector
Laser Tool Setter
T64 Chain Type Tool Magazine
Spindle-Through Unit

Floor Plans (Unit: mm)

Front View



Side View



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

Contact: Esther HU +86-138 2607 9999

E-mail: esther.hu@conprofotech.com

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

UGV1250-5AXIS 20240605 VE1.0



Conprofe 5-Axis Gantry Machining Centers

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

UGG Series 20240605 VE1.6

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

46

Technical Data

Item	Unit	UGG4020H-5AXIS	UGG6028-5AXIS
Travel			
X/Y/Z-Axis Travel	mm	4,000×2,000×1,200	6,000×2,800×1,000
Distance between Two Columns	mm	2,800	3,500
Spindle Nose to Table	mm	200-1,400	200-1,200
Spindle Center to Table	mm	380-1,380	380-1,380
Worktable to Beam	mm	2,185	2,185
Worktable			
Dimensions	mm	4,000×2,000	6,000×2,800
T-Slot (No.×Width×Distance)	pcs×mm×mm	15×22×160	17×22×160
Spindle			
Spindle Taper	-	HSK-A100	HSK-A100
Speed	rpm	50-15,000	50-15,000
Max. Torque (A/C-Axis)	Nm	1,200/ 1,100	1,200/ 1,100
Motor Power	kW	45	45
Output Torque	Nm	145	145
Speed			
Cutting Speed	mm/min	1-8,000	1-8,000
X/Y/Z-Axis Rapid Speed	m/min	15/15/10	15/15/10
Accuracy			
X/Y/Z-Axis Positioning Accuracy	mm	0.015/0.015/0.015	0.02/0.02/0.02
X/Y/Z-Axis Repeatability	mm	0.008/0.008/0.008	0.015/0.015/0.015
Tool Magazine			
Tool Holding Capacity	No. of Tools	40 (Optional: 60)	40 (Optional: 60)
Max. Tool Diameter (Full / Partial)	mm	Φ 125/Φ 250	Φ 125/Φ 250
Max. Tool Length	mm	400	400
Max. Tool Weight	kg	25	25
Total Tool Weight	kg	≤ 480	≤ 480
Type	-	Chain Type	Chain Type
Miscellaneous			
Power Supply Voltage	-	Three-Phase AC, 380V/50Hz	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	65	140
Air Pressure	MPa	0.5-0.8	0.5-0.8
Net Machine Weight	kg	≈ 58,000	≈ 65,000
Machine Size (L×W×H)	mm	12,000×5,500×5,589	14,200×5,500×7,500
Controller			
CNC Controller	-	SIEMENS 840D sl	SIEMENS 840D sl

Technical Data

Item	Unit	UGG6030L-5AXIS	UGG6040-5AXIS
Travel			
X/Y/Z-Axis Travel	mm	6,000×3,000×1,200	6,000×4,000×1,300
Distance between Two Columns	mm	3,600	4,500
Spindle Nose to Table	mm	200-1,400	200-1,500
Spindle Center to Table	mm	380-1,580	380-1,680
Worktable to Beam	mm	2,185	2,385
Worktable			
Dimensions	mm	6,000×3,000	6,000×4,000
T-Slot (No.×Width×Distance)	pcs×mm×mm	17×22×160	18×28×200
Spindle			
Spindle Taper	-	HSK-A100	HSK-A100
Speed	rpm	50-15,000	50-15,000
Max. Torque (A/C-Axis)	Nm	1,200/ 1,100	1,200/ 1,100
Motor Power	kW	45	45
Output Torque	Nm	145	145
Speed			
Cutting Speed	mm/min	1-8,000	1-8,000
X/Y/Z-Axis Rapid Speed	m/min	15/15/10	15/15/10
Accuracy			
X/Y/Z-Axis Positioning Accuracy	mm	0.02/0.02/0.02	0.02/0.02/0.02
X/Y/Z-Axis Repeatability	mm	0.015/0.015/0.015	0.015/0.015/0.015
Tool Magazine			
Tool Holding Capacity	No. of Tools	40 (Optional: 60)	40 (Optional: 60)
Max. Tool Diameter (Full / Partial)	mm	Φ 125/Φ 250	Φ 125/Φ 250
Max. Tool Length	mm	400	400
Max. Tool Weight	kg	25	25
Total Tool Weight	kg	≤ 480	≤ 480
Type	-	Chain Type	Chain Type
Miscellaneous			
Power Supply Voltage	-	Three-Phase AC, 380V/50Hz	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	150	150
Air Pressure	MPa	0.5-0.8	0.5-0.8
Net Machine Weight	kg	≈ 65,000	≈ 70,000
Machine Size (L×W×H)	mm	14,200×5,500×7,500	13,200×7,500×6,100
Controller			
CNC Controller	-	SIEMENS 840D sl	SIEMENS 840D sl

Technical Data

Item	Unit	UGG8028-5AXIS	UGG8040-5AXIS
Travel			
X/Y/Z-Axis Travel	mm	8,000×2,800×1,100	8,000×4,000×1,300
Distance between Two Columns	mm	3,500	4,500
Spindle Nose to Table	mm	200-1,200	200-1,500
Spindle Center to Table	mm	380-1,480	380-1,680
Worktable to Beam	mm	1,700	2,385
Worktable			
Dimensions	mm	8,000×2,800	8,000×4,000
T-Slot (No.xWidth×Distance)	pcs×mm×mm	19×28×200	18×28×200
Spindle			
Spindle Taper	-	HSK-A100	HSK-A100
Speed	rpm	50-15,000	50-15,000
Max. Torque (A/C-Axis)	Nm	1,200/ 1,100	1,200/ 1,100
Motor Power	kW	45	45
Output Torque	Nm	145	145
Speed			
Cutting Speed	mm/min	1-8,000	1-8,000
X/Y/Z-Axis Rapid Speed	m/min	15/15/10	15/15/10
Accuracy			
X/Y/Z-Axis Positioning Accuracy	mm	0.02/0.02/0.02	0.025/0.025/0.025
X/Y/Z-Axis Repeatability	mm	0.015/0.015/0.015	0.017/0.017/0.017
Tool Magazine			
Tool Holding Capacity	No. of Tools	40 (Optional: 60)	40 (Optional: 60)
Max. Tool Diameter (Full / Partial)	mm	Φ 125/Φ 250	Φ 125/Φ 250
Max. Tool Length	mm	400	400
Max. Tool Weight	kg	25	25
Total Tool Weight	kg	≤ 480	≤ 480
Type	-	Chain Type	Chain Type
Miscellaneous			
Power Supply Voltage	-	Three-Phase AC, 380V/50Hz	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	85	85
Air Pressure	MPa	0.5-0.8	0.5-0.8
Net Machine Weight	kg	≈ 75,000	≈ 70,000
Machine Size (L×W×H)	mm	17,600×5,500×7,500	13,200×7,500×6,100
Controller			
CNC Controller	-	SIEMENS 840D sl	SIEMENS 840D sl

Technical Data

Item	Unit	UGG9050-5AXIS	UGG12028-5AXIS
Travel			
X/Y/Z-Axis Travel	mm	9,000×5,000×1,500	12,000×2,800×1,100
Distance between Two Columns	mm	5,500	3,500
Spindle Nose to Table	mm	260-1,760	260-1,360
Spindle Center to Table	mm	380-1,880	380-1,480
Worktable to Beam	mm	2,485	1,700
Worktable			
Dimensions	mm	9,000×5,000	12,000×2,800
T-Slot (No.×Width×Distance)	pcs×mm×mm	23×28×200	19×28×200
Spindle			
Spindle Taper	-	HSK-A100	HSK-A100
Speed	rpm	50-15,000	50-15,000
Max. Torque (A/C-Axis)	Nm	1,200/ 1,100	1,200/ 1,100
Motor Power	kW	45	45
Output Torque	Nm	145	145
Speed			
Cutting Speed	mm/min	1-8,000	1-8,000
X/Y/Z-Axis Rapid Speed	m/min	15/15/10	15/15/10
Accuracy			
X/Y/Z-Axis Positioning Accuracy	mm	0.025/0.025/0.025	0.025/0.025/0.025
X/Y/Z-Axis Repeatability	mm	0.017/0.017/0.017	0.020/0.020/0.020
Tool Magazine			
Tool Holding Capacity	No. of Tools	40 (Optional: 60)	40 (Optional: 60)
Max. Tool Diameter (Full / Partial)	mm	Φ 125/Φ 250	Φ 125/Φ 250
Max. Tool Length	mm	400	400
Max. Tool Weight	kg	25	25
Total Tool Weight	kg	≤ 480	≤ 480
Type	-	Chain Type	Chain Type
Miscellaneous			
Power Supply Voltage	-	Three-Phase AC, 380V/50Hz	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	95	95
Air Pressure	MPa	0.5-0.8	0.5-0.8
Net Machine Weight	kg	≈ 87,000	≈ 97,000
Machine Size (L×W×H)	mm	19,600×8,500×5,100	25,500×5,500×7,500
Controller			
CNC Controller	-	SIEMENS 840D sl	SIEMENS 840D sl

Technical Data

Item	Unit	UGG12060-5AXIS	UMG15080-5AXIS	UMG20080-5AXIS
Travel				
X/Y/Z-Axis Travel	mm	12,000×6,000×1,500	15,000×7,800×1,500	20,000×8,200×1,500
Distance between Two Columns	mm	6,800	8,000	9,000
Spindle Nose to Table	mm	260-1,760	260-1,760	260-1,760
Spindle Center to Table	mm	380-1,880	380-1,380	380-1,480
Worktable to Beam	mm	2,485	2,300	2,300
Worktable				
Dimensions	mm	12,000×6,000	15,000×7,200	20,000×8,000
T-Slot (No.×Width×Distance)	pcs×mm×mm	29×28×200	24×28×300	24×28×300
Spindle				
Spindle Taper	-	HSK-A100	HSK-A100	HSK-A100
Speed	rpm	50-15,000	50-15,000	50-15,000
Max. Torque (A/C-Axis)	Nm	1,200/ 1,100	1,200/ 1,100	1,200/ 1,100
Motor Power	kW	45	45	45
Output Torque	Nm	145	145	145
Speed				
Cutting Speed	mm/min	1-8,000	1-8,000	1-8,000
X/Y/Z-Axis Rapid Speed	m/min	15/15/10	10/15/10	10/15/10
Accuracy				
X/Y/Z-Axis Positioning Accuracy	mm	0.025/0.025/0.025	0.035/0.035/0.035	0.035/0.035/0.035
X/Y/Z-Axis Repeatability	mm	0.020/0.020/0.020	0.015/0.015/0.015	0.015/0.015/0.015
Tool Magazine				
Tool Holding Capacity	No. of Tools	40 (Optional: 60)	40 (Optional: 60)	40 (Optional: 60)
Max. Tool Diameter (Full / Partial)	mm	Φ 125/Φ 250	Φ 125/Φ 250	Φ 125/Φ 250
Max. Tool Length	mm	400	400	400
Max. Tool Weight	kg	25	25	25
Total Tool Weight	kg	≤ 480	≤ 480	≤ 480
Type	-	Chain Type	Chain Type	Chain Type
Miscellaneous				
Power Supply Voltage	-	Three-Phase AC, 380V/50Hz	Three-Phase AC, 380V/50Hz	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	95	115	115
Air Pressure	MPa	0.5-0.8	0.5-0.8	0.5-0.8
Net Machine Weight	kg	≈ 105,000	≈ 210,000	≈ 210,000
Machine Size (L×W×H)	mm	25,600×9,500×5,100	19,000×10,500×5,600	22,600×10,500×5,600
Controller				
CNC Controller	-	SIEMENS 840D sl	SIEMENS 840D sl	SIEMENS 840D sl

Main Configurations

● Yes ○ No

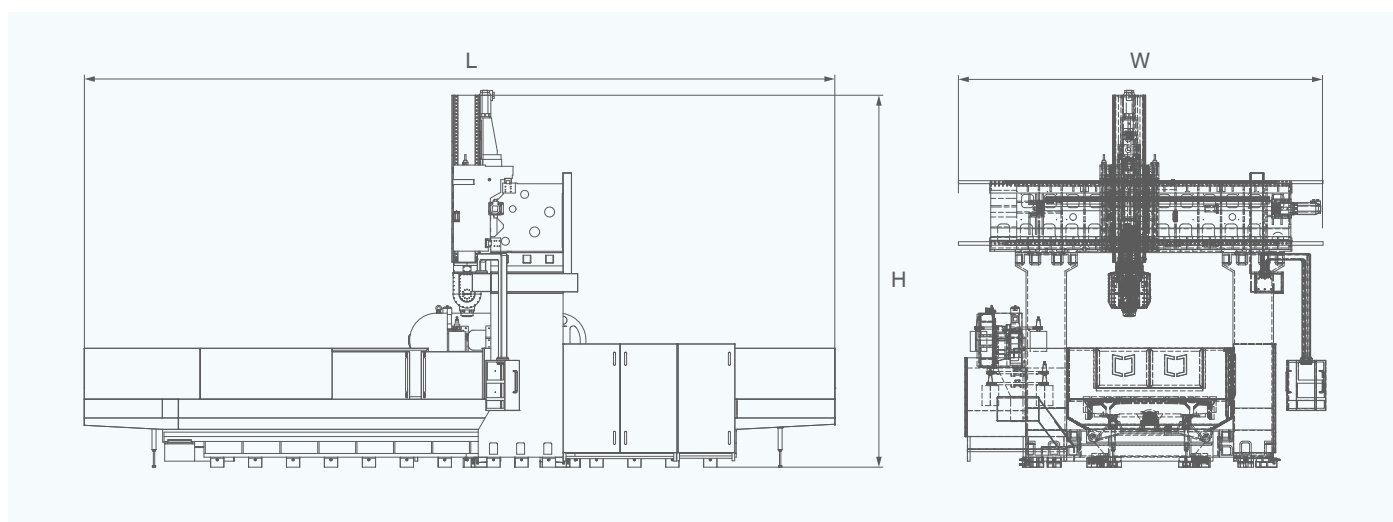
	UGG4020H -5AXIS	UGG6028 -5AXIS	UGG6030L -5AXIS	UGG6040 -5AXIS	UGG8028 -5AXIS	UGG8040 -5AXIS	UGG9050 -5AXIS	UGG12028 -5AXIS	UGG12060 -5AXIS	UMG15080 -5AXIS	UMG20080 -5AXIS
Standard Configurations											
Coolant System	●	●	●	●	●	●	●	●	●	●	●
Centralized Automatic Lubrication System	●	●	●	●	●	●	●	●	●	●	●
Spindle Chiller	●	●	●	●	●	●	●	●	●	●	●
Contact Tool Setter	●	●	●	●	●	●	●	●	●	●	●
HEIDENHAIN Linear Encoders	●	●	●	●	●	●	●	●	●	●	●
Electrical 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	●	●	●	●	●	●	●	●	●	●	●
Ultrasonic Machining System	●	○	●	○	○	○	○	○	○	○	○

Optional Configurations											
High Precision Probe	●	●	●	●	●	●	●	●	●	●	●
Oil-Mist Collector	●	●	●	●	●	●	●	●	●	●	●
Laser Tool Setter	●	●	●	●	●	●	●	●	●	●	●
Through-Spindle Cooling Unit	●	●	●	●	●	●	●	●	●	●	●
Ultrasonic Machining System	○	●	○	●	●	●	●	●	●	●	●

A/C Swivel Head

Specifications	Unit	A-Axis	C-Axis
Max. Torque	Nm	1,200	1,100
Clamping Torque	Nm	2,160 (6bar)	3,024 (6bar)
Max. Speed	rpm	100	100
Swing Angle	deg	±105	±360
Measuring System	/	Absolute Type	Absolute Type
Positioning Accuracy	arcsec	8(VDI)	8(VDI)
Repeatability	arcsec	4(VDI)	4(VDI)

Floor Plans (Unit: mm)



Specifications	L	W	H
UGG4020H-5AXIS	12,000	5,500	5,589
UGG6028-5AXIS	14,200	5,500	7,500
UGG6030L-5AXIS	14,200	5,500	7,500
UGG6040-5AXIS	13,200	7,500	6,100
UGG8028-5AXIS	17,600	5,500	7,500
UGG8040-5AXIS	13,200	7,500	6,100
UGG9050-5AXIS	19,600	8,500	5,100
UGG12028-5AXIS	25,500	5,500	7,500
UGG12060-5AXIS	25,600	9,500	5,100
UMG15080-5AXIS	19,000	10,500	5,600
UMG20080-5AXIS	22,600	10,500	5,600

Conprofe Engraving & Milling Centers



ULM & URB Series

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

ULM & URB Series 20240607

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 and Milling Center

ULM-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

Tool Holding Capacity	No. of Tools	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×W×H)	mm	1,245×1,750×2,130

Travel

X/Y/Z-Axis Travel	mm	400×400×150
Spindle Nose to Table	mm	210-360

Worktable

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

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	0.75/0.75/0.75

Accuracy

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

Protection

Dedicated to Hard-Brittle Materials (Three-Layer Protection)

Standard Configurations

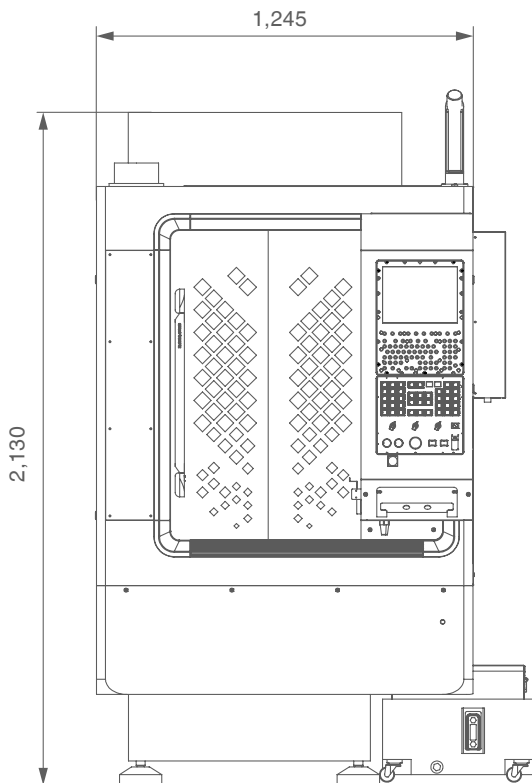
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock
Blow Gun	

Optional Configurations

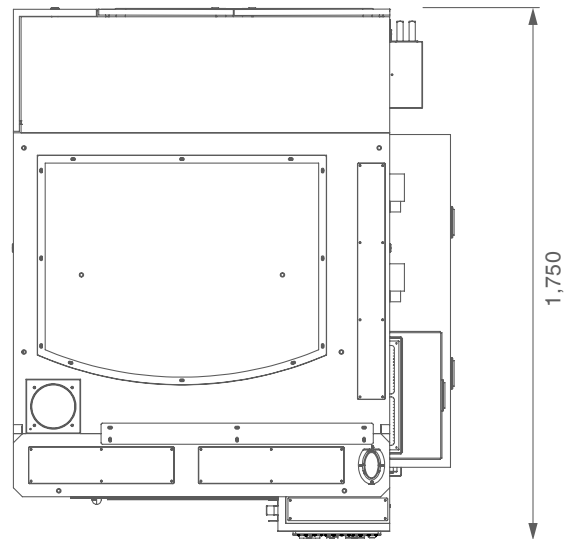
High Precision 3D Probe	Ultrasonic Amplitude Measuring Device
Oil-Mist Collector	5-Axis Simultaneous Machining System (with RTCP Function)
4/5th Axis Rotary Table	Non-Ultrasonic Extended Tool Magazine ETM-14 (A)
Automatic Door	Ultrasonic Extended Tool Magazine ETM-12 (A)
Contact Tool Setter	

Floor Plans (Unit: mm)

Front View



Top View



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-400A 20240408 VE2.0

Ultrasonic Precision Engraving and Milling Center

ULM-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

Tool Holding Capacity	No. of Tools	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×W×H)	mm	1,245×1,750×2,130

Travel

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

Worktable

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

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	0.75/0.75/0.75

Accuracy

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

Protection

Dedicated to Hard-Brittle Materials (Three-Layer Protection)

Standard Configurations

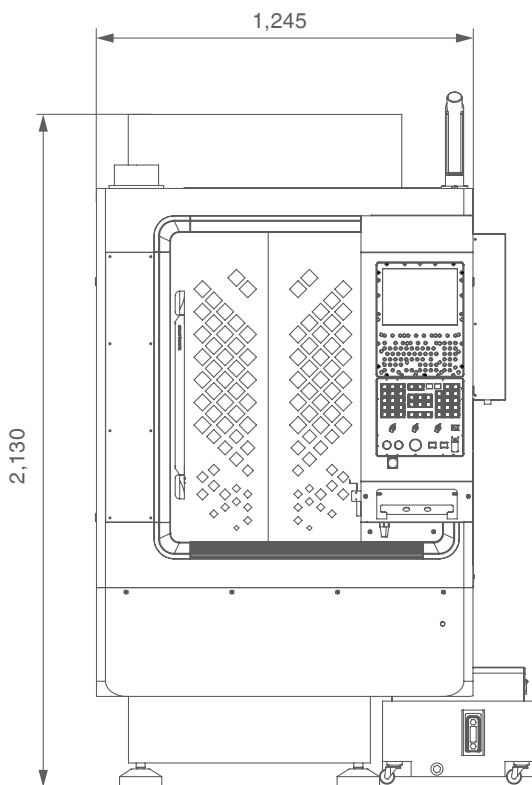
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock
Blow Gun	

Optional Configurations

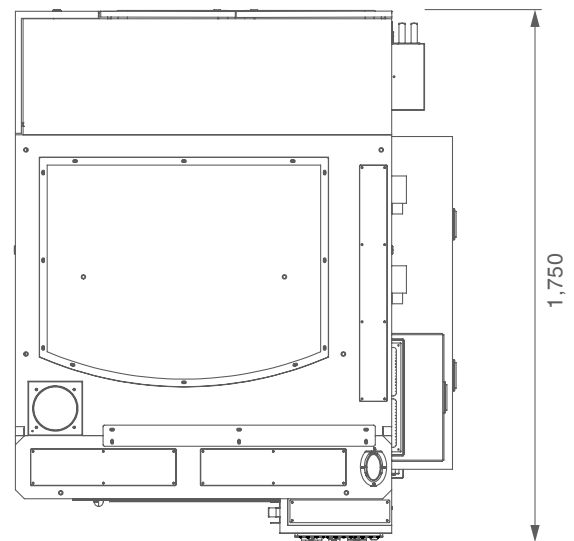
High Precision 3D Probe	Ultrasonic Amplitude Measuring Device
Oil-Mist Collector	5-Axis Simultaneous Machining System (with RTCP Function)
4/5th Axis Rotary Table	Non-Ultrasonic Extended Tool Magazine ETM-14 (B)
Automatic Door	Ultrasonic Extended Tool Magazine ETM-13 (B)
Contact Tool Setter	

Floor Plans (Unit: mm)

Front View



Top View



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-400B 20240408 VE2.0

Ultrasonic Precision Engraving and Milling Center

ULM-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

Tool Holding Capacity	No. of Tools	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×W×H)	mm	1,245×1,750×2,130

Travel

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

Worktable

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

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	0.75/0.75/0.75

Accuracy

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

Protection

Dedicated to Hard-Brittle Materials (Three-Layer Protection)

Standard Configurations

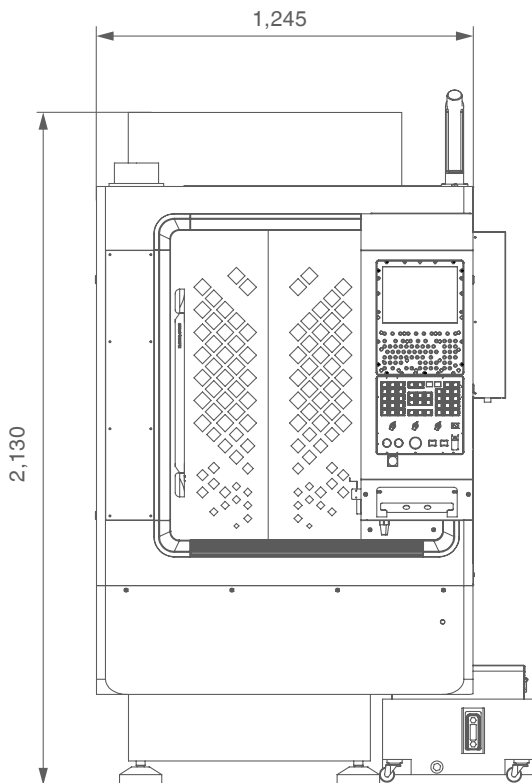
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock
Blow Gun	

Optional Configurations

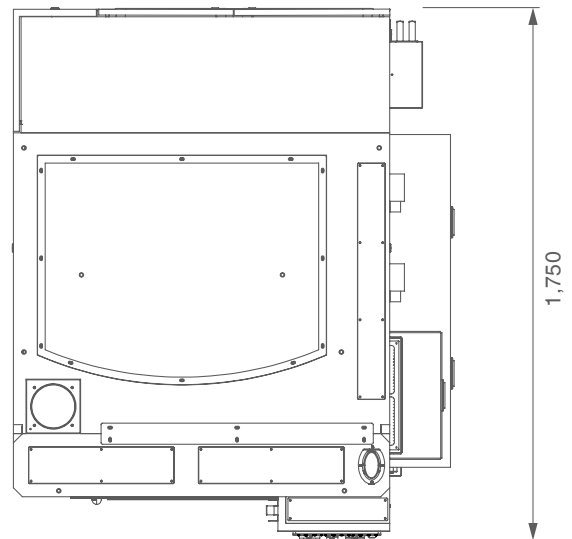
High Precision 3D Probe	Ultrasonic Amplitude Measuring Device
Oil-Mist Collector	5-Axis Simultaneous Machining System (with RTCP Function)
4/5th Axis Rotary Table	Non-Ultrasonic Extended Tool Magazine ETM-11 (C)
Automatic Door	Ultrasonic Extended Tool Magazine ETM-11 (C)
Contact Tool Setter	

Floor Plans (Unit: mm)

Front View



Top View



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-400C 20240408 VE2.0

Ultrasonic Precision Engraving and Milling Center

ULM-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

Tool Holding Capacity	No. of Tools	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×W×H)	mm	1,650×1,880×2,405

Travel

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

Worktable

Dimensions	mm	500×400
Max. Load	kg	200
T-Slot (No.×Width×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	0.75/0.75/0.75

Accuracy

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

Protection

Dedicated to Hard-Brittle Materials (Three-Layer Protection)

Standard Configurations

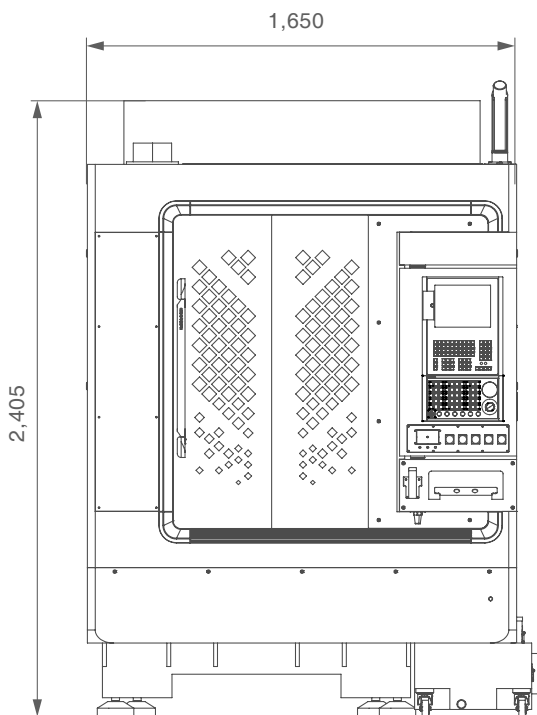
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock
Blow Gun	

Optional Configurations

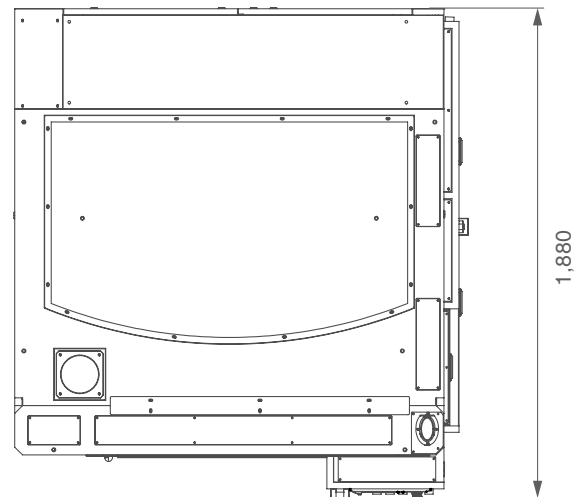
High Precision 3D Probe	Ultrasonic Amplitude Measuring Device
Oil-Mist Collector	5-Axis Simultaneous Machining System (with RTCP Function)
4/5th Axis Rotary Table	Non-Ultrasonic Extended Tool Magazine ETM-14 (A)
Automatic Door	Ultrasonic Extended Tool Magazine ETM-14 (A)
Contact Tool Setter	

Floor Plans (Unit: mm)

Front View



Top View



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-500A 20240409 VE2.1

Ultrasonic Precision Engraving and Milling Center

ULM-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

Tool Holding Capacity	No. of Tools	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×W×H)	mm	1,650×1,880×2,405

Travel

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

Worktable

Dimensions	mm	500×400
Max. Load	kg	200
T-Slot (No.×Width×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	0.75/0.75/0.75

Accuracy

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

Protection

Dedicated to Hard-Brittle Materials (Three-Layer Protection)

Standard Configurations

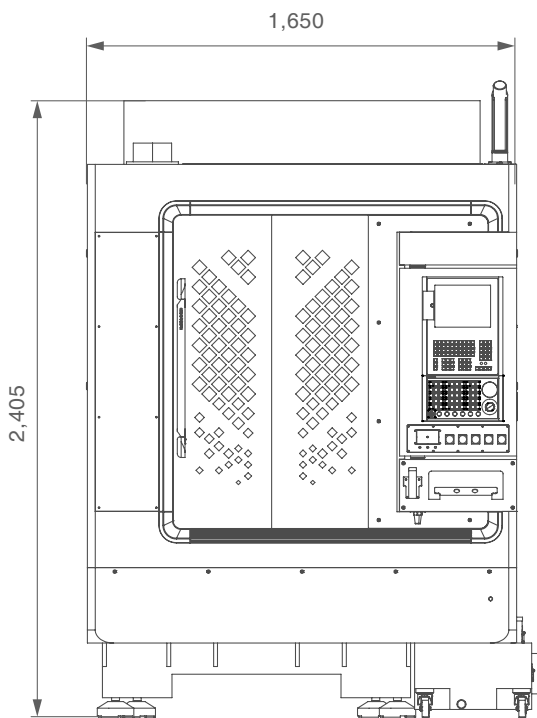
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock
Blow Gun	

Optional Configurations

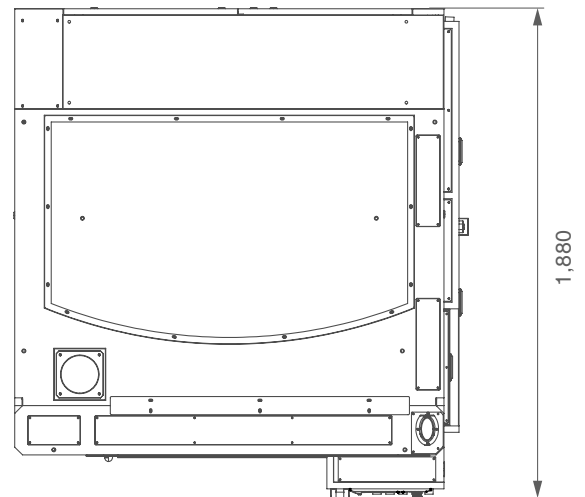
High Precision 3D Probe	Ultrasonic Amplitude Measuring Device
Oil-Mist Collector	5-Axis Simultaneous Machining System (with RTCP Function)
4/5th Axis Rotary Table	Non-Ultrasonic Extended Tool Magazine ETM-12 (B)
Automatic Door	Ultrasonic Extended Tool Magazine ETM-12(B)
Contact Tool Setter	

Floor Plans (Unit: mm)

Front View



Top View



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-500B 202404088 VE2.0

Ultrasonic Precision Engraving and Milling Center



ULM-600A

Technical Data

Controller

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

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

Tool Holding Capacity	No. of Tools	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	14
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>100
Total Weight (incl. Accessories)	kg	5,000
Machine Size (L×W×H)	mm	1,850×2,100×2,395

Travel

X/Y/Z-Axis Travel	mm	600×500×300
Spindle Nose to Table	mm	130-430

Worktable

Dimensions	mm	620×560
Max. Load	kg	300
T-Slot (No.×Width×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	1.5/1.5/1.5

Accuracy

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

Protection

Dedicated to Hard-Brittle Materials (Three-Layer Protection)

Standard Configurations

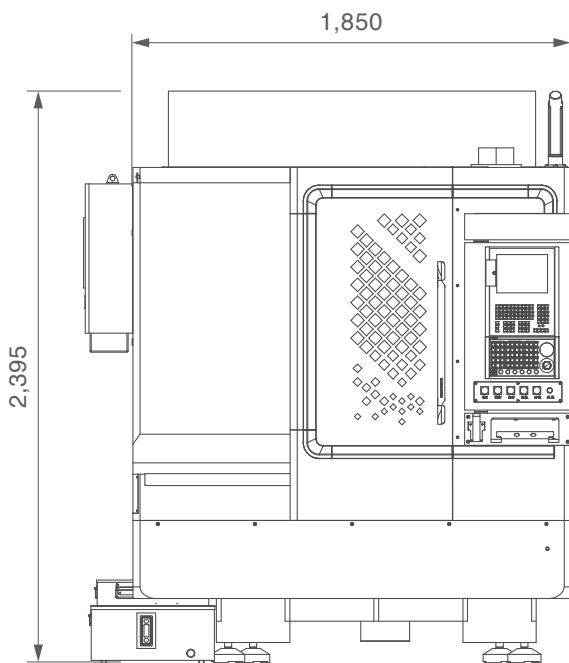
High Precision Linear Encoders	Blow Gun
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock

Optional Configurations

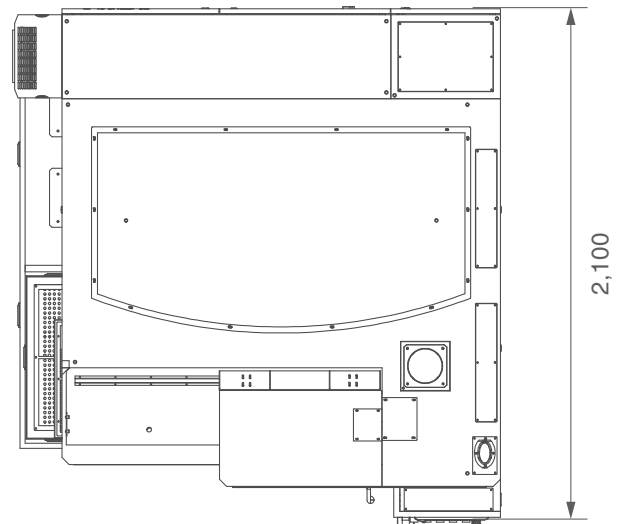
High Precision 3D Probe	Contact Tool Setter
Oil-Mist Collector	Ultrasonic Amplitude Measuring Device
4/5th Axis Rotary Table	Non-Ultrasonic Extended Tool Magazine ETM-15 (A)
Automatic Door	Ultrasonic Extended Tool Magazine ETM-15 (A)

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

ULM-600A 20240408 VE2.0

Ultrasonic Precision Engraving and Milling Center



ULM-600B

Technical Data

Controller

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

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

Tool Holding Capacity	No. of Tools	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	16
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>100
Total Weight (incl. Accessories)	kg	5,000
Machine Size (L×W×H)	mm	1,850×2,100×2,395

Travel

X/Y/Z-Axis Travel	mm	600×500×300
Spindle Nose to Table	mm	130-430

Worktable

Dimensions	mm	620×560
Max. Load	kg	300
T-Slot (No.×Width×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	1.5/1.5/1.5

Accuracy

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

Protection

Dedicated to Hard-Brittle Materials (Three-Layer Protection)

Standard Configurations

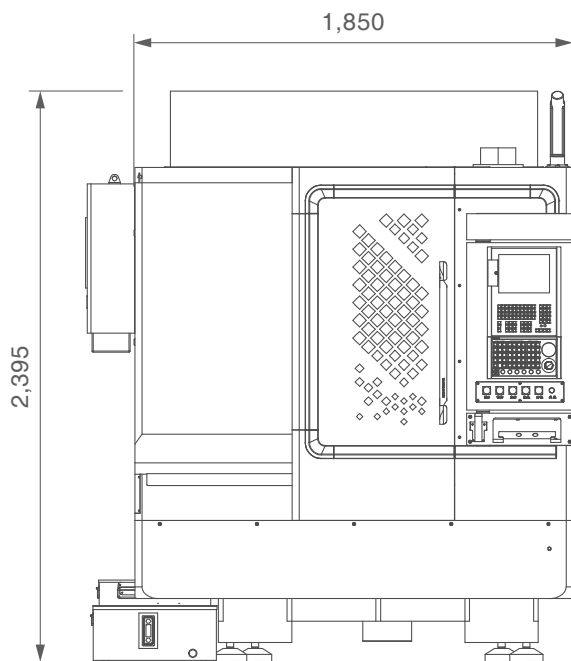
High Precision Linear Encoders	Blow Gun
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock

Optional Configurations

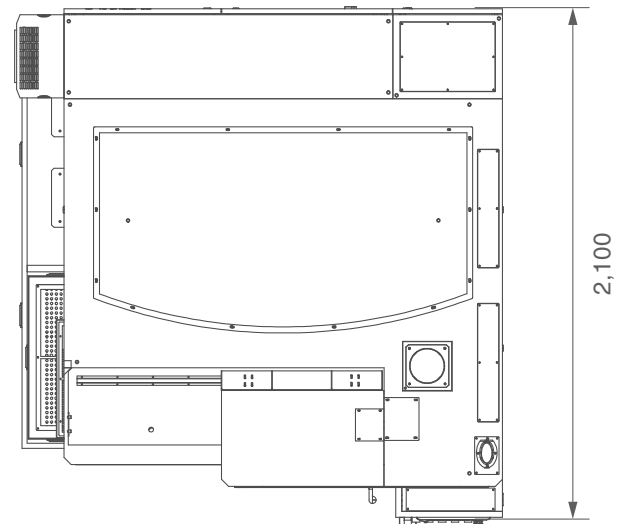
High Precision 3D Probe	Contact Tool Setter
Oil-Mist Collector	Ultrasonic Amplitude Measuring Device
4/5th Axis Rotary Table	Non-Ultrasonic Extended Tool Magazine ETM-3 (B)
Automatic Door	Ultrasonic Extended Tool Magazine ETM-13 (B)

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

ULM-600B 20240408 VE2.0

Ultrasonic Precision Engraving and Milling Center



ULM-600C

Technical Data

Controller

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

Spindle

Diameter	mm	Φ150
Max. Speed (Short-Duration)	rpm	18,000/24,000 (A63 Optional)
Max. Speed (Long-Duration)	rpm	14,400/19,200 (A63 Optional)
Motor Power (Rated)	kW	Y: 15 △: 20 I 20 (A63 Optional)
Motor Torque (Rate)	Nm	Y:39.6 △: 24.8 I 43 (A63 Optional)
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: 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	29
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>100
Total Weight (incl. Accessories)	kg	5,000
Machine Size (L×W×H)	mm	1,850×2,100×2,395

Travel

X/Y/Z-Axis Travel	mm	600×500×300
Spindle Nose to Table	mm	150-450

Worktable

Dimensions	mm	620×560
Max. Load	kg	300
T-Slot (No.×Width×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	1.5/1.5/1.5

Accuracy

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

Protection

Dedicated to Hard-Brittle Materials (Three-Layer Protection)

Standard Configurations

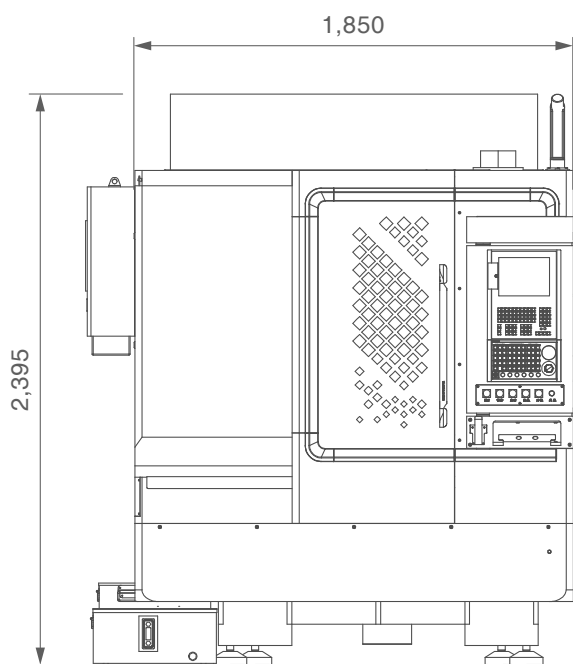
High Precision Linear Encoders	Blow Gun
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock

Optional Configurations

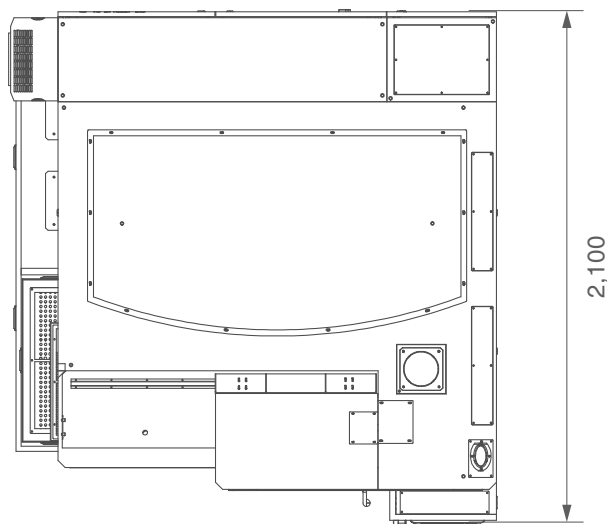
High Precision 3D Probe	Contact Tool Setter
Oil-Mist Collector	Ultrasonic Amplitude Measuring Device
4/5th Axis Rotary Table	Non-Ultrasonic Extended Tool Magazine ETM-9 (C)
Automatic Door	Ultrasonic Extended Tool Magazine ETM-9 (C)

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@conprofetech.com

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

ULM-600C 20240408 VE2.0

Ultrasonic Precision Engraving and Milling Center



ULM-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	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

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
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>100
Total Weight (incl. Accessories)	kg	9,000
Machine Size (L×W×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.×Width×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

Protection

Dedicated to Hard-Brittle Materials (Three-Layer Protection)

Standard Configurations

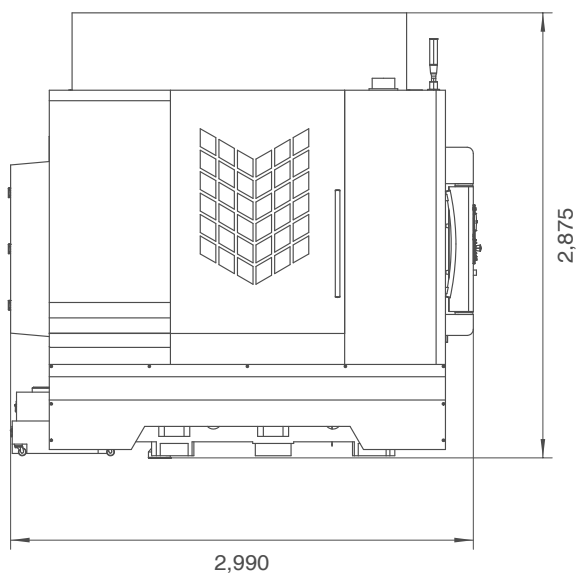
High Precision Linear Encoders	Blow Gun
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock

Optional Configurations

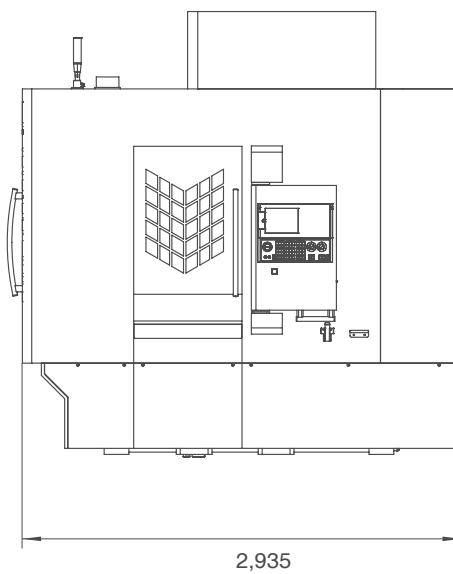
High Precision 3D Probe	Automatic Door
Oil-Mist Collector	Contact Tool Setter
4/5th Axis Rotary Table	

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 20240408 VE2.0

Ultrasonic Precision Engraving and Milling Center



ULM-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	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

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×W×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.×Width×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

Protection

Dedicated to Hard-Brittle Materials (Three-Layer Protection)

Standard Configurations

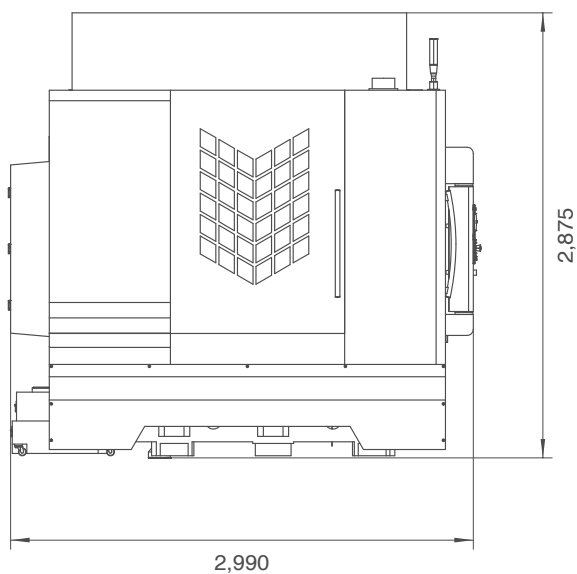
High Precision Linear Encoders	Blow Gun
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock

Optional Configurations

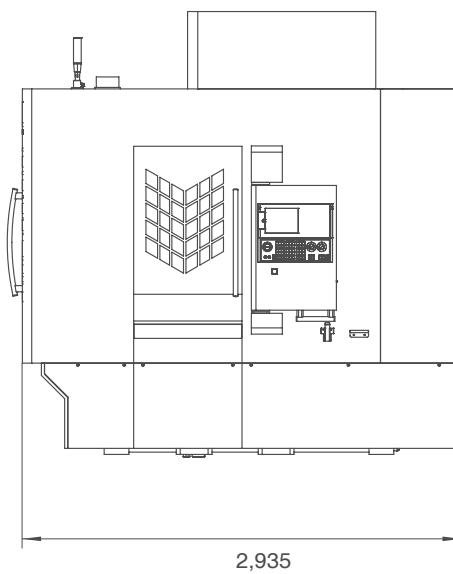
High Precision 3D Probe	Automatic Door
Oil-Mist Collector	Contact Tool Setter
4/5th Axis Rotary Table	

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-800B 20240408 VE2.0

Ultrasonic Precision Engraving and Milling Center



ULM-800C

Technical Data

Controller

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

Spindle

Diameter	mm	Φ150
Max. Speed (Short-Duration)	rpm	18,000/24,000 (A63 Optional)
Max. Speed (Long-Duration)	rpm	14,400/19,200 (A63 Optional)
Motor Power (Rated)	kW	Y: 15 Δ: 20 20 (A63 Optional)
Motor Torque (Rate)	Nm	Y:39.6 Δ: 24.8 43 (A63 Optional)
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×W×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.×Width×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

Protection

Dedicated to Hard-Brittle Materials (Three-Layer Protection)

Standard Configurations

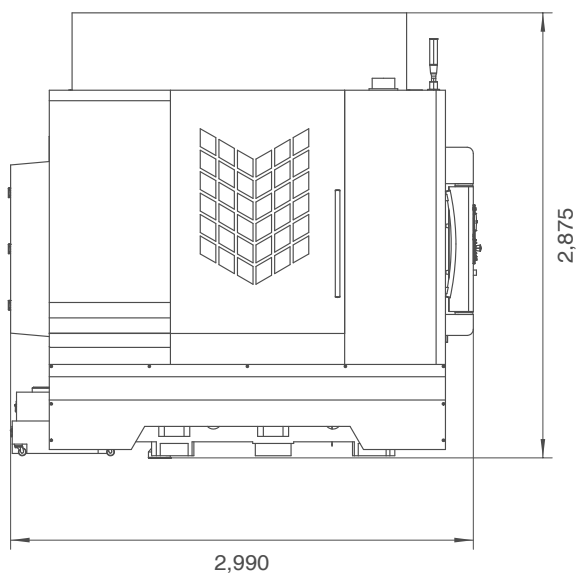
High Precision Linear Encoders	Blow Gun
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock

Optional Configurations

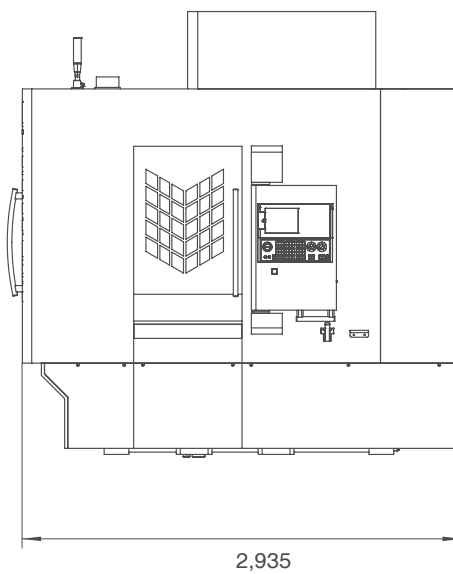
High Precision 3D Probe	Automatic Door
Oil-Mist Collector	Contact Tool Setter
4/5th Axis Rotary Table	

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-800C 20240408 VE2.0

Ultrasonic Precision Engraving and Milling Center



ULM-1200A

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	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

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
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>100
Total Weight (incl. Accessories)	kg	11,000
Machine Size (L×W×H)	mm	2,990×3,770×2,900

Travel

X/Y/Z-Axis Travel	mm	800×1200×350
Spindle Nose to Table	mm	150-500

Worktable

Dimensions	mm	850×1250
Max. Load	kg	1,000
T-Slot (No.×Width×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	3.1/4.3/3.1

Accuracy

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

Protection

Dedicated to Hard-Brittle Materials (Three-Layer Protection)

Standard Configurations

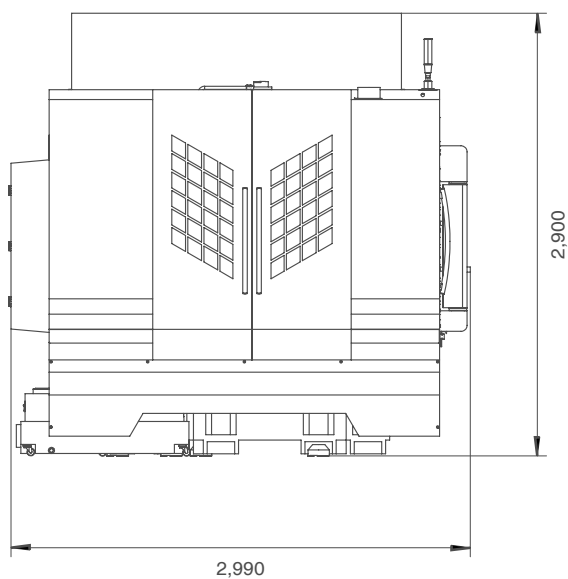
High Precision Linear Encoders	Blow Gun
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock

Optional Configurations

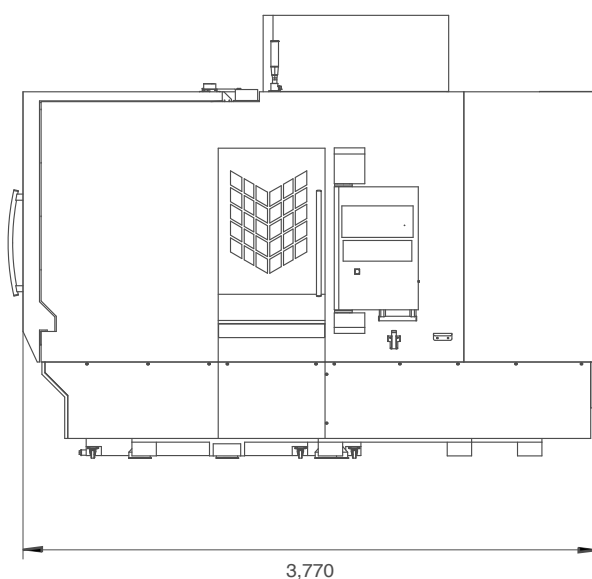
High Precision 3D Probe	Automatic Door
Oil-Mist Collector	Contact Tool Setter
4/5th Axis Rotary Table	

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-1200A 20240408 VE2.0

Ultrasonic Precision Engraving and Milling Center



ULM-1200B

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	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

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×W×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.×Width×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	3.1/4.3/3.1

Accuracy

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

Protection

Dedicated to Hard-Brittle Materials (Three-Layer Protection)

Standard Configurations

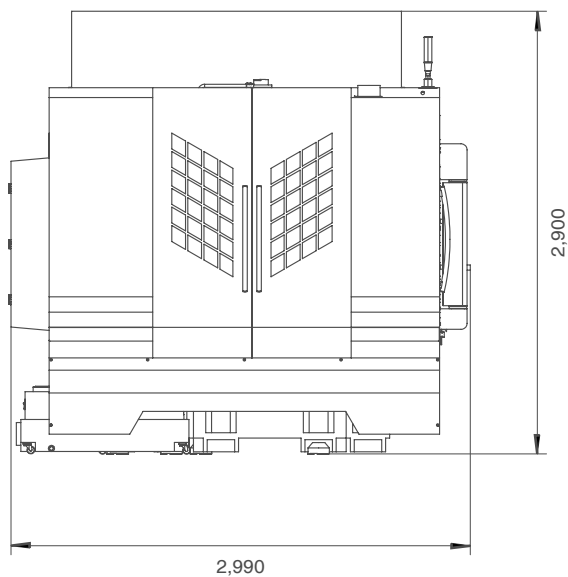
High Precision Linear Encoders	Blow Gun
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock

Optional Configurations

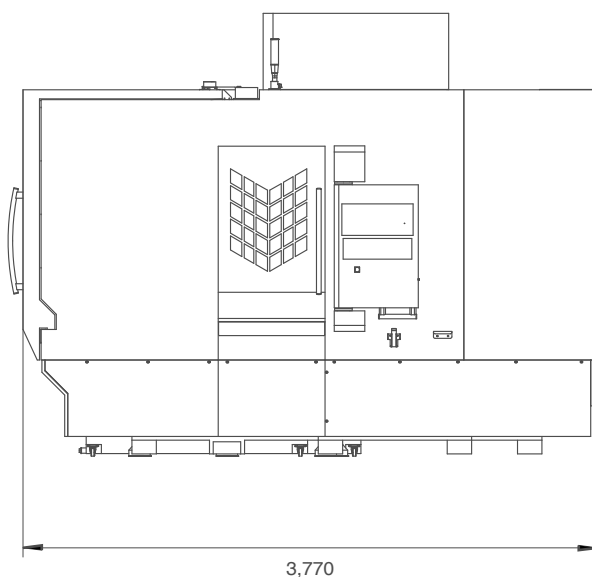
High Precision 3D Probe	Automatic Door
Oil-Mist Collector	Contact Tool Setter
4/5th Axis Rotary Table	

Floor Plans (Unit: mm)

Front View



Top View



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

Ultrasonic Precision Engraving and Milling Center



ULM-1200C

Technical Data

Controller

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

Spindle

Diameter	mm	Φ150
Max. Speed (Short-Duration)	rpm	18,000/24,000 (A63 Optional)
Max. Speed (Long-Duration)	rpm	14,400/19,200 (A63 Optional)
Motor Power (Rated)	kW	Y: 15 △: 20 I 20 (A63 Optional)
Motor Torque (Rate)	Nm	Y:39.6 △: 24.8 I 43 (A63 Optional)
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×W×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	850×1250
Max. Load	kg	1,000
T-Slot (No.×Width×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	3.1/4.3/3.1

Accuracy

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

Protection

Dedicated to Hard-Brittle Materials (Three-Layer Protection)

Standard Configurations

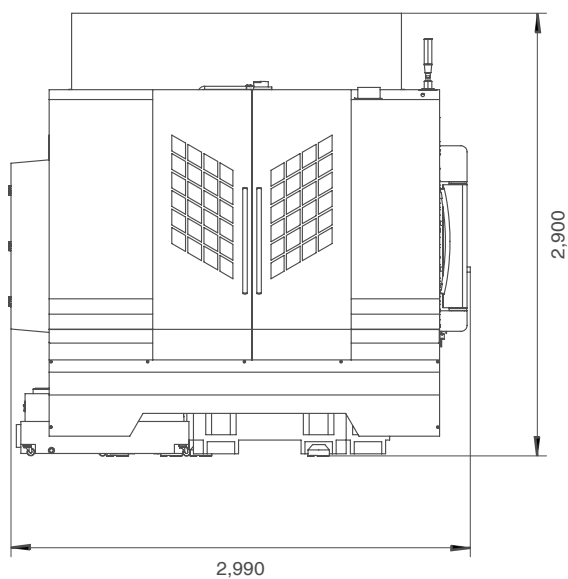
High Precision Linear Encoders	Blow Gun
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock

Optional Configurations

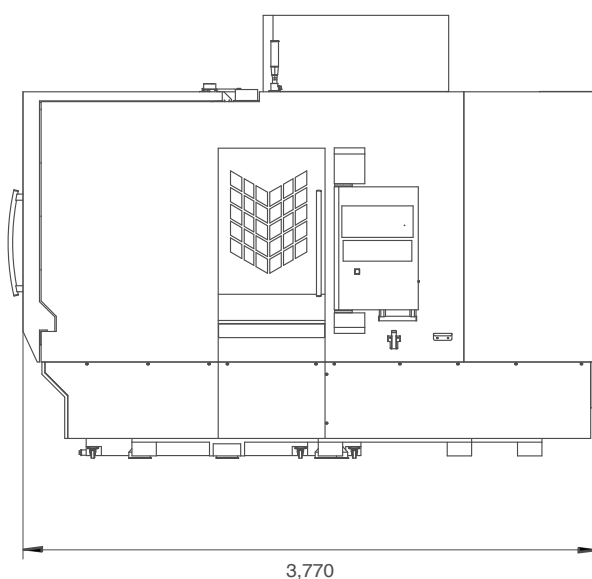
High Precision 3D Probe	Automatic Door
Oil-Mist Collector	Contact Tool Setter
4/5th Axis Rotary Table	

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-1200C 20240408 VE1.3

Ultrasonic Precision Engraving and Milling Center

URB-400



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	-	Standard
Minimum Quantity Lubrication (MQL)	-	/
Ultrasonic + MQL	-	Optional
Supercritical CO ₂ Spindle	-	/

Tool Magazine

Tool Holding Capacity	No. of Tools	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×W×H)	mm	1,245×1,750×2,130

Travel

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

Worktable

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

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	0.75/0.75/0.75

Accuracy

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

Protection

Metal universal version (Standard Protection)

Standard Configurations

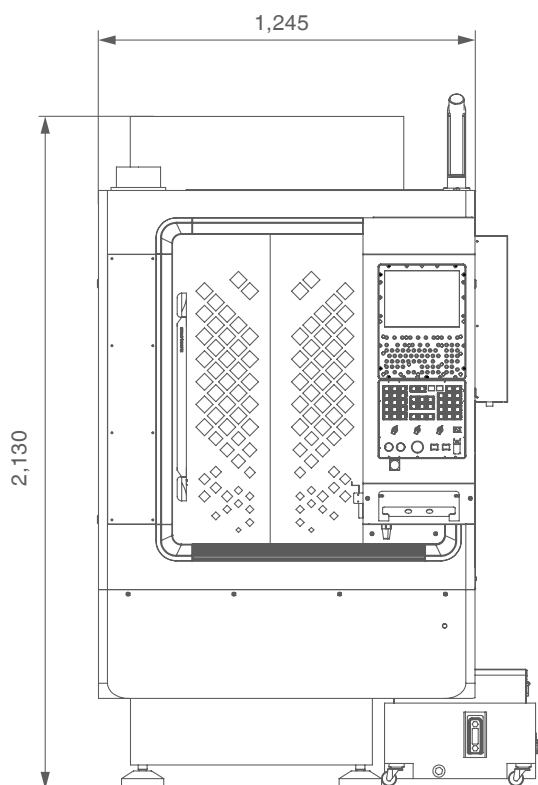
Coolant System	Blow Gun
Centralized Automatic Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel Controller	Safety Interlock
Electrical Cabinet Heat Exchanger	

Optional Configurations

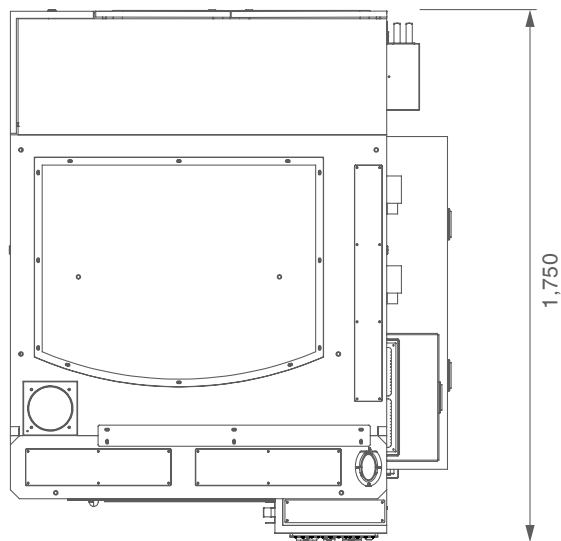
High Precision 3D Probe	Contact Tool Setter
Oil-Mist Collector	Ultrasonic Amplitude Measuring Instrument
4/5th Axis Rotary Table	5-Axis Simultaneous Machining System (with RTCP Function)
Automatic Door	Extended Tool Magazine (ETM-11)

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

URB-400 20240604 VE1.1

Ultrasonic Precision Engraving and Milling Center



URB-600

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	-	Standard
Minimum Quantity Lubrication (MQL)	-	/
Ultrasonic + MQL	-	Optional
Supercritical CO ₂ Spindle	-	/

Tool Magazine

Tool Holding Capacity	No. of Tools	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	27
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>100
Total Weight (incl. Accessories)	kg	5,000
Machine Size (L×W×H)	mm	1,850×2,100×2,395

Travel

X/Y/Z-Axis Travel	mm	600×500×300
Spindle Nose to Table	mm	130-430

Worktable

Dimensions	mm	620×560
Max. Load	kg	300
T-Slot (No.×Width×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

Accuracy

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

Protection

Metal universal version (Standard Protection)

Standard Configurations

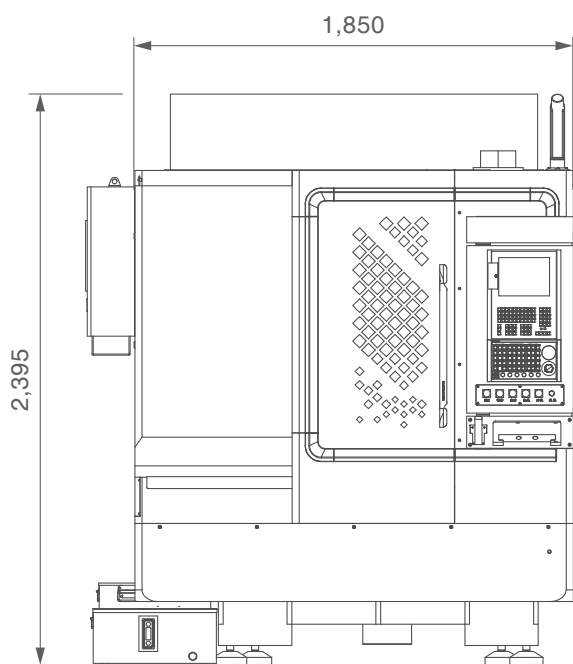
Coolant System	Blow Gun
Centralized Automatic Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel Controller	Safety Interlock
Electrical Cabinet Heat Exchanger	

Optional Configurations

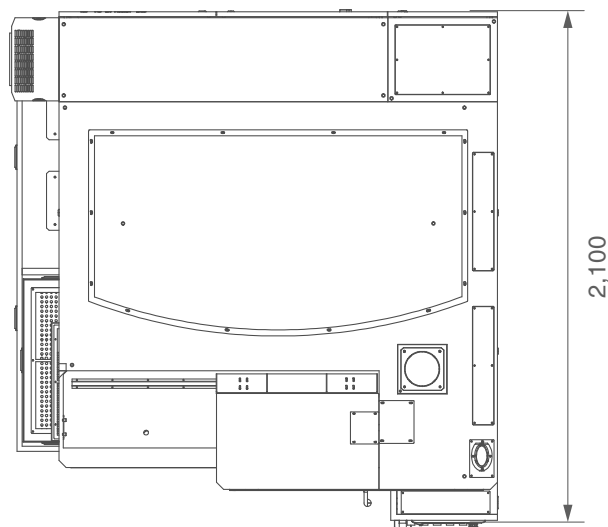
High Precision 3D Probe	Contact Tool Setter
Oil-Mist Collector	Ultrasonic Amplitude Measuring Instrument
4/5th Axis Rotary Table	5-Axis Simultaneous Machining System (with RTCP Function)
Automatic Door	Extended Tool Magazine (ETM-15)

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

URB-600 20240604 VE1.1

Conprofe Graphite Machining Centers



UPG Series

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

UPG Series 20240605

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	HNC-918D	SIEMENS 828D-280

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(Φ120 Spindle)
Air Pressure	MPa	0.5-0.7
Total Air Consumption	L/min	>100
Total Weight (incl. Accessories)	kg	3,500
Machine Size (L×W×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. × Width × 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

Protect	
Application of materials such as graphite and ceramic embryos in dry cutting (three-layer protection)	

Standard Configurations

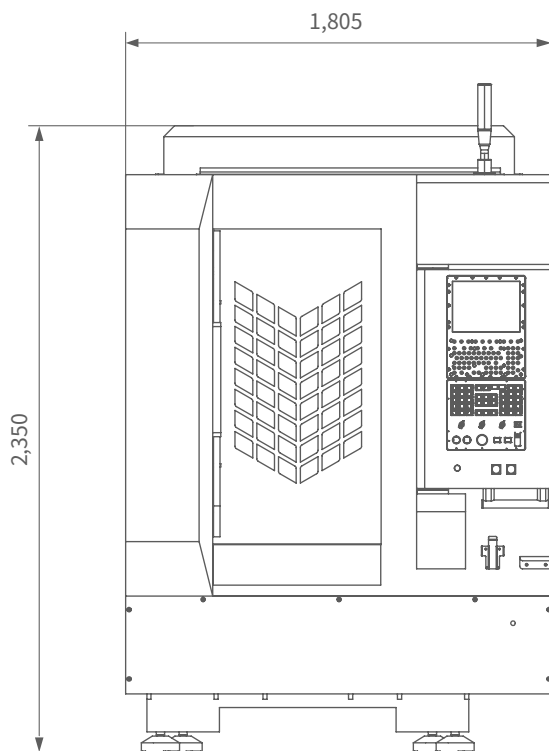
Automatic Centralized Lubrication System	LED Work Light
Spindle Chiller	Three-Color Alarm Light
Handwheel	Door Safety Interlock
Blow Gun	
Electrical Cabinet Heat Exchanger	

Optional Configurations

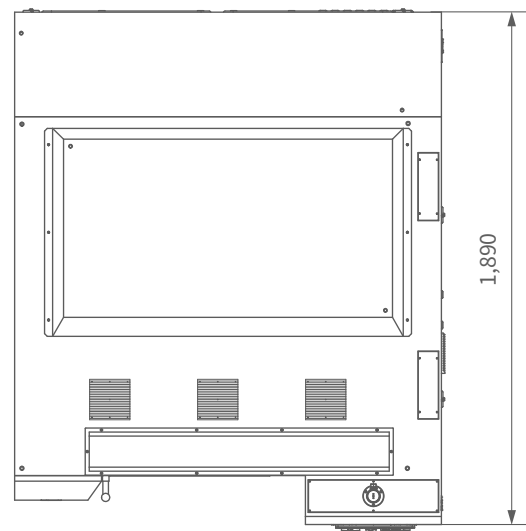
High Precision Linear Encoders	Automatic Door
High Precision 3D Probe	Contact Tool Setter
Dust Collector	Laser Tool Setter
4/5th Axis Rotary Table	Extended Tool Magazine (ETM-12)

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

UPG-500 20240401 VE2.2

Ultrasonic Precision Graphite Machining Center

UPG-600C



Technical Data

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

Spindle		
Diameter	mm	Φ150
Max. Speed (Short-Duration)	rpm	18,000/24,000 (A63 Optional)
Max. Speed (Long-Duration)	rpm	14,400/19,200 (A63 Optional)
Power (Rated)	kW	Y:15 △:20 I 20 (A63 Optional)
Torque (Rated)	Nm	Y:39.6 △:24.8 I 43 (A63 Optional)
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×W×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	300
T-Slot (No.×Width×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	1.5/1.5/1.5

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

Protect	
Application of materials such as graphite and ceramic embryos in dry cutting (three-layer protection)	

Standard Configurations

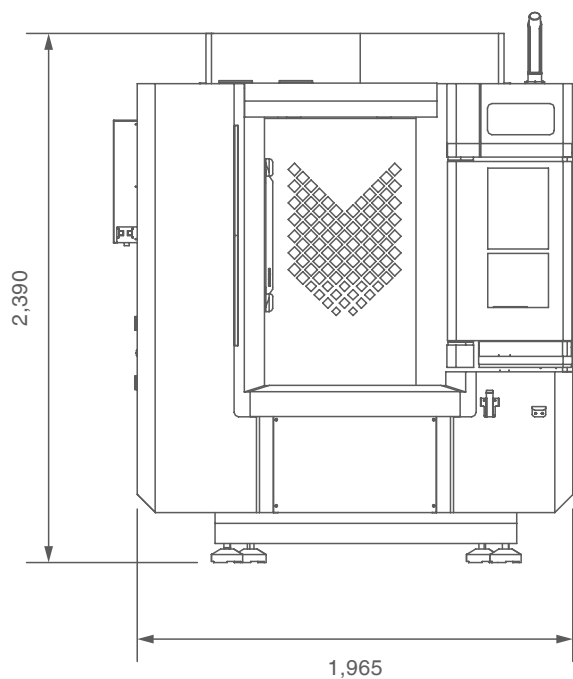
Automatic Centralized Lubrication System	Blow Gun
Spindle Chiller	Electrical Cabinet Heat Exchanger
High Precision Linear Encoders	LED Work Light
Handwheel	Three-Color Alarm Light
	Door Safety Interlock

Optional Configurations

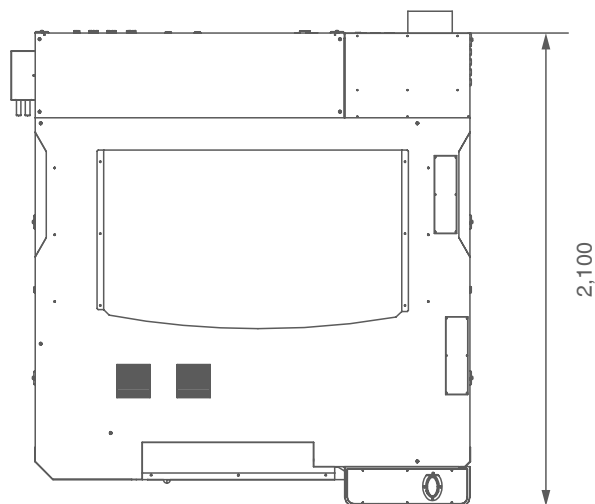
High Precision 3D Probe	Automatic Door
Dust Collector	Contact Tool Setter
4/5th Axis Rotary Table	Laser Tool Setter

Floor Plans (Unit: mm)

Front View



Top View



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

UPG-600C 20240401 VE2.2

Ultrasonic Precision Graphite Machining Center

UPG-800C



Technical Data

Controller

CNC System	SIEMENS 828D-280
------------	------------------

Spindle

Diameter	mm	Φ150
Max. Speed (Short-Duration)	rpm	18,000/24,000 (A63 Optional)
Max. Speed (Long-Duration)	rpm	14,400/19,200 (A63 Optional)
Power (Rated)	kW	Y:15 △:20 I 20 (A63 Optional)
Torque (Rated)	Nm	Y:39.6 △:24.8 I 43 (A63 Optional)
Spindle Taper	-	HSK-A63
Ultrasonic	-	Optional

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×W×H)	mm	2,990×2,935×2,875

Travel

X/Y/Z-Axis Travel	mm	800×800×300
Spindle Nose to Table	mm	200-500

Worktable

Dimensions	mm	850×850
Max. Load	kg	1000
T-Slot (No.×Width×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	0.003
X/Y/Z-Axis Repeatability	mm	0.002
Accuracy Grade	-	UP

Protect

Application of materials such as graphite and ceramic embryos in dry cutting (three-layer protection)

Standard Configurations

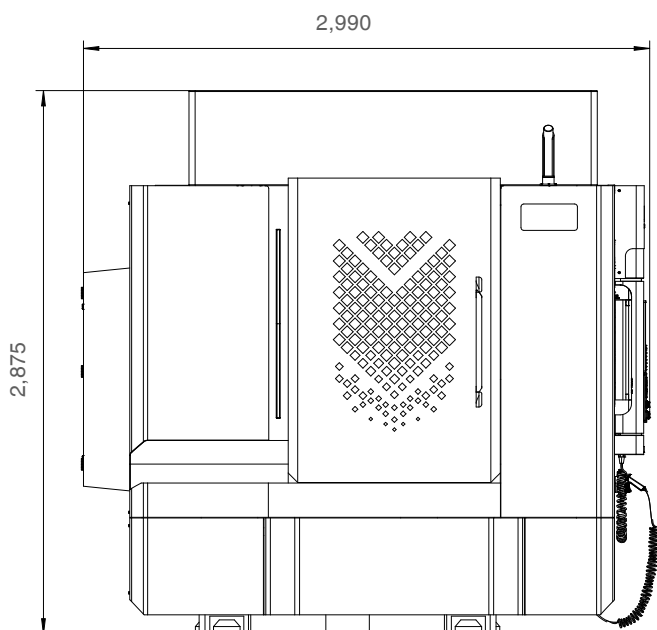
High Precision Linear Encoders	Blow Gun
Automatic Centralized Lubrication System	Electrical Cabinet Heat Exchanger
Spindle Chiller	LED Work Light
Handwheel	Three-Color Alarm Light
	Door Safety Interlock

Optional Configurations

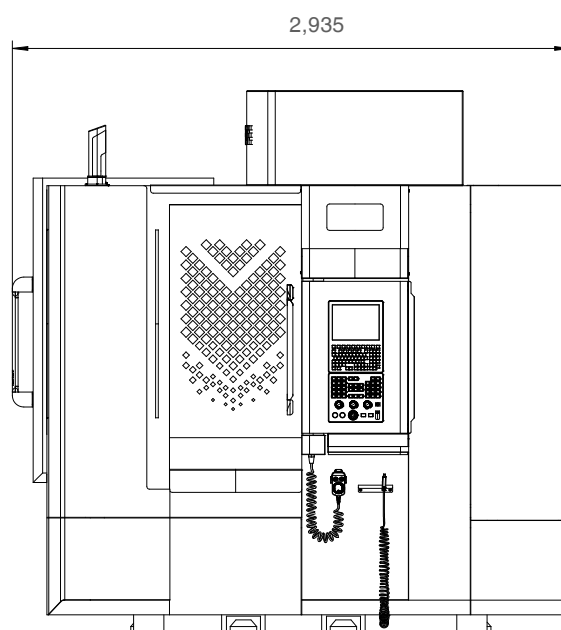
High Precision 3D Probe	4/5th Axis Rotary Table
Dust Collector	Contact Tool Setter
Hand-Held Dust Collector	Laser Tool Setter

Floor Plans (Unit: mm)

Front View



Side View



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

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

UPG-800C 20240409 VE2.3

Conprofe Vertical Machining Centers



UGV Series

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

UGV Series 20240607

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
----------------	-----------------

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	9/15	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×W×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.×Width×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

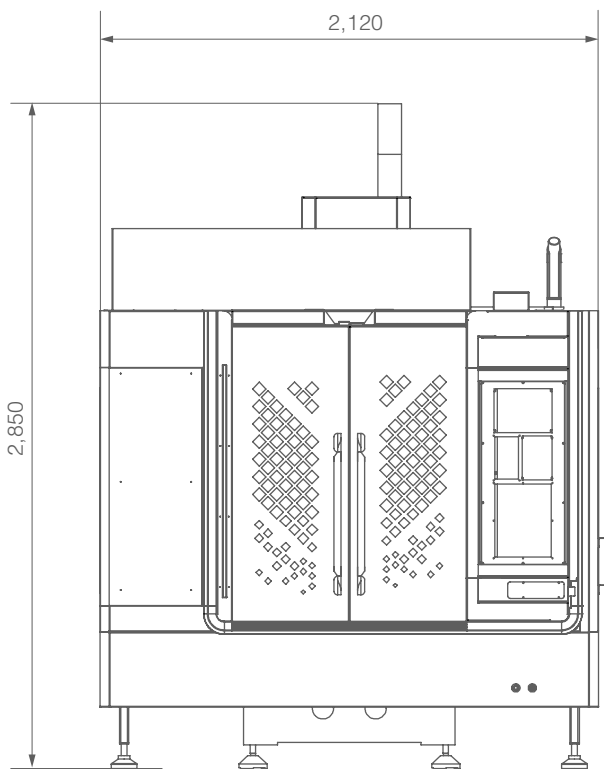
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Handwheel	Three-Color Alarm Light
Blow Gun	Door Safety Interlock

Optional Configurations

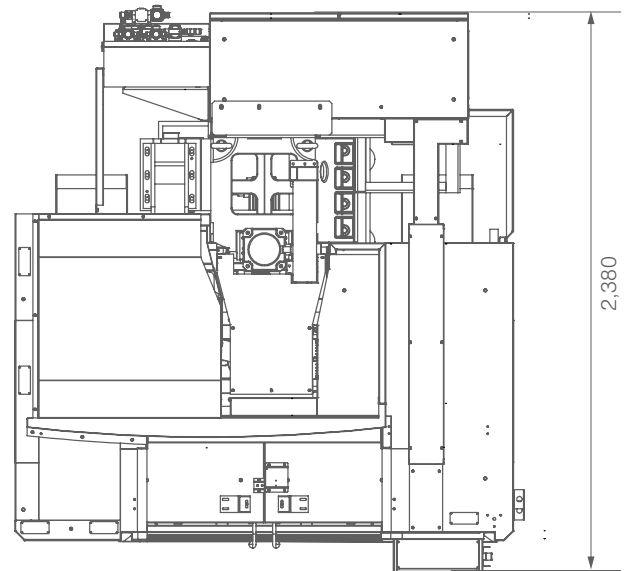
Oil-Mist Collector	Disc Type Oil-Water Separator
4/5th Axis Rotary Table	Spindle Chiller
Contact Tool Setter	Chip Conveyor
High Precision 3D Probe	Water Gun
Automatic Door	

Floor Plans (Unit: mm)

Front View



Top View



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

UGV-500 20240409 VE1.4

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×W×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.×Width×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

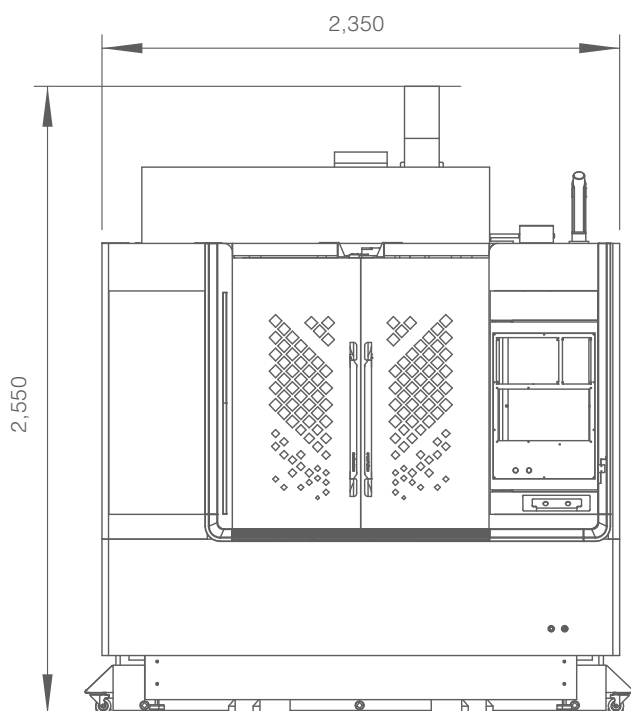
Coolant System	Electrical Cabinet Heat Exchanger
Automatic Centralized Lubrication System	LED Work Light
Handwheel	Three-Color Alarm Light
Blow Gun	Door Safety Interlock

Optional Configurations

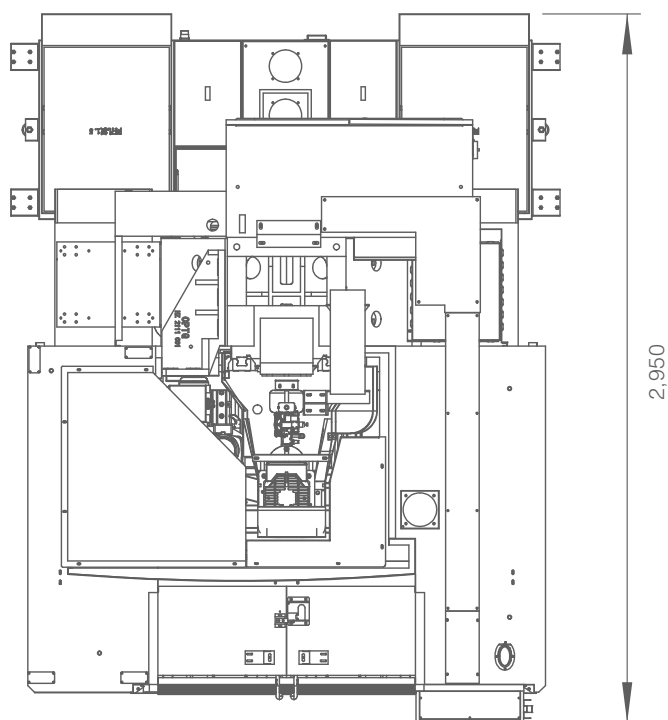
Oil-Mist Collector	Disc-Type Oil-Water Separator
4/5th Axis Rotary Table	Spindle Chiller
Contact Tool Setter	Chip Conveyor
High Precision 3D Probe	Water Gun
Automatic Door	

Floor Plans (Unit: mm)

Front View



Top View



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

UGV-856 20240401 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 △:11/13.75
Motor Torque (Rated / Short-Duration)	Nm	35.8/70	57.3/70	Y:32.5/42.9 △: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

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	

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×W×H)	mm	2,760×3,000×3,100		

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.×Width×Distance)	pcs×mm×mm	5×18×100

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

Accuracy

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

Protect

Metal Universal Version (Standard Protection)

Standard Configurations

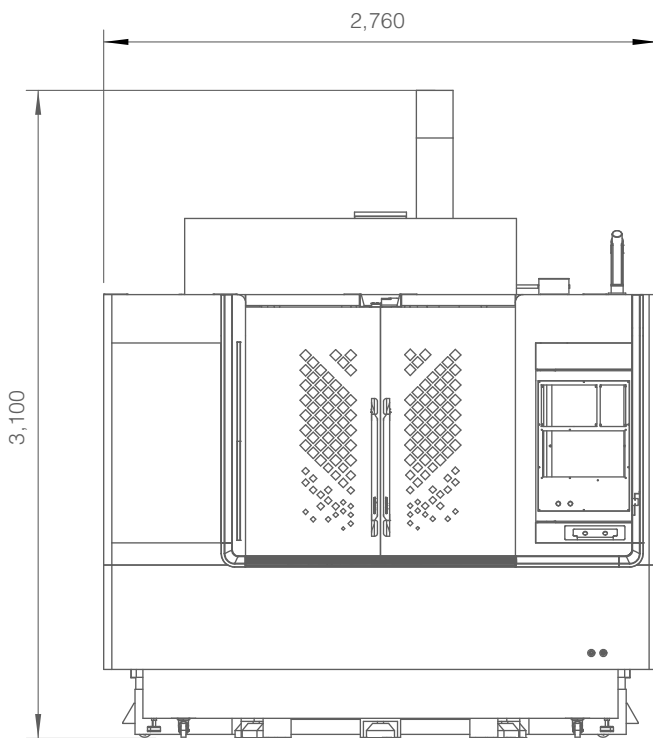
High-Precision Linear Encoder	Electrical Cabinet Heat Exchanger
Coolant System	LED Work Light
Automatic Centralized Lubrication System	Three-color Alarm Light
Handwheel	Door Safety Interlock
Blow Gun	

Optional Configurations

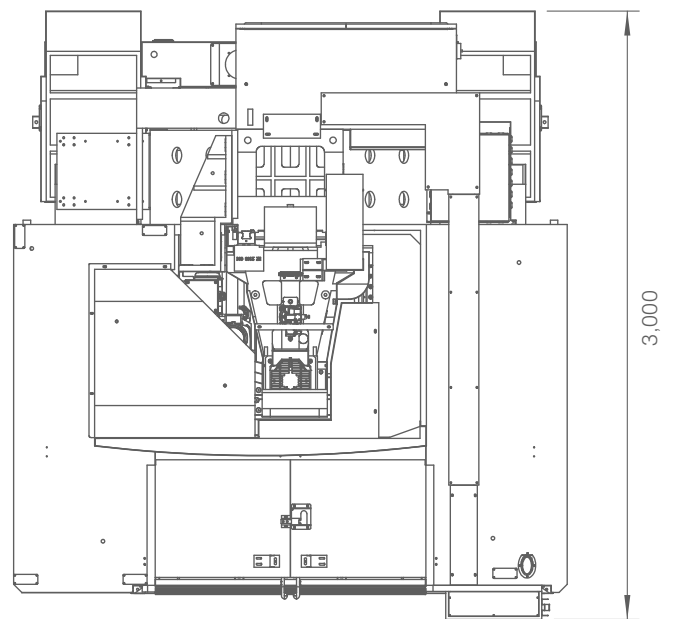
Oil-Mist Collector	Disc-Type Oil-Water Separator
4/5th Axis Rotary Table	Spindle Chiller
Contact Tool Setter	Chip Conveyor
High Precision 3D Probe	Water Gun
Automatic Door	Anti-Fire and Anti-Explosion System

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

UGV-1165 20240401 VE3.3

Conprofe Drilling & Milling Centers



UGT & UHT Series

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

UGT & UHT Series 20240605

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	FANUC	Mitsubishi/SIEMENS

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	3.5/8.76
Spindle Taper	-	BT30
Ultrasonic	-	Optional
Spindle-Through MQL	-	Optional
Ultrasonic + Spindle-Through MQL	-	Optional
Supercritical CO ₂ Spindle (Add-On)	-	Optional

Tool Magazine		
Tool Holding Capacity	No. of Tools	26
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 (LxWxH)	mm	1,600x2,430x2,400

Travel		
X/Y/Z-Axis Travel	mm	500x400x320
Spindle Nose to Table	mm	180-500
Spindle Center to Z-Axis Cover	mm	420

Worktable		
Dimensions	mm	620x400
Max. Load	kg	250
T-Slot (No.xWidthxDistance)	pcsxmmxmm	3x14x125

Feed Rate		
X/Y/Z-Axis Rapid Speed	m/min	48/48/48
X/Y/Z-Axis Motor Power	kW	2.5/2.5/2.7

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

Protection		
/	/	Metal Universal Version (Standard Protection)

Standard Configurations

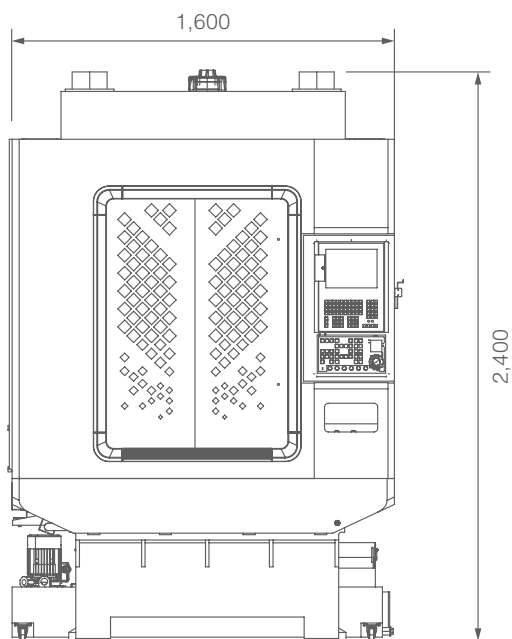
Automatic Centralized Lubrication System	Blow Gun
Chip-Flushing System	Electrical Cabinet Heat Exchanger
Coolant System	LED Work Light
Ethernet Port	Three-Color Alarm Light
Handwheel	Door Safety Interlock

Optional Configurations

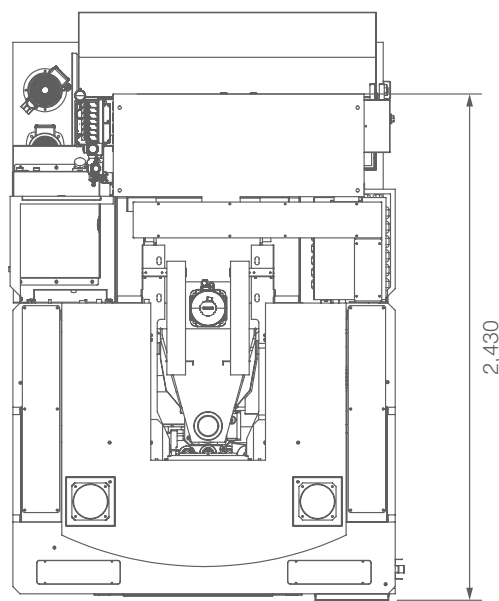
High Precision 3D Probe	Oil-Mist Collector
Automatic Door	Contact Tool Setter
Disc-Type Oil-Water Separator	Add-On Tool Magazine (ATM-14)
4/5th Axis Rotary Table	Spindle Chiller

Floor Plans (Unit: mm)

Front View



Top View



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

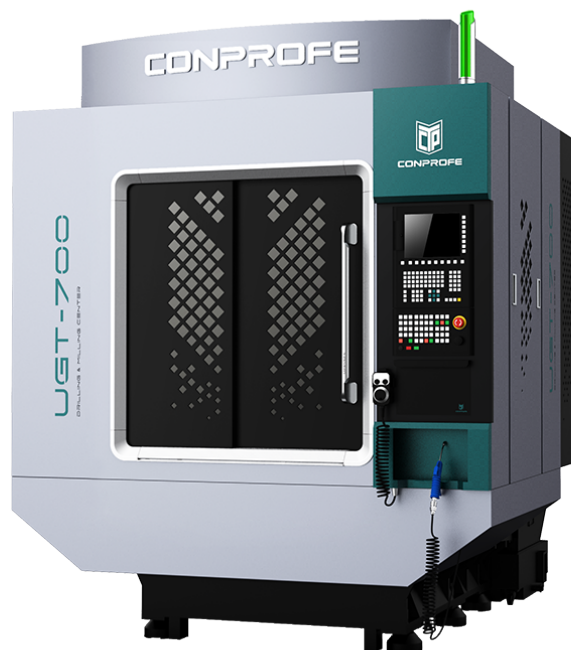
Contact: Esther HU +86-138 2607 9999 E-mail: esther.hu@conprofetech.com
Address: No.6 2nd Nanyun Road, Science City, Hi-tech Development Zone, Guangzhou, 510663, P.R.C

UGT-500 20240409 VE3.3

Ultrasonic-Green

Drilling & Milling Center

UGT-700



Technical Data

Controller	Standard	Optional
CNC Controller	FANUC	Mitsubishi/SIEMENS

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	3.5/8.76
Spindle Taper	-	BT30
Ultrasonic	-	Optional
Spindle-Through MQL	-	Optional
Ultrasonic + Spindle-Through MQL	-	Optional
Supercritical CO ₂ Spindle (Add-On)	-	Optional

Tool Magazine		
Tool Holding Capacity	No. of Tools	26
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 (LxWxH)	mm	2,000x2,490x2,750

Travel		
X/Y/Z-Axis Travel	mm	700x400x320
Spindle Nose to Table	mm	180-500
Spindle Center to Z-Axis Cover	mm	410

Worktable		
Dimensions	mm	800x400
Max. Load	kg	250
T-Slot (No.xWidthxDistance)	pcsxmmxmm	3x14x125

Feed Rate		
X/Y/Z-Axis Rapid Speed	m/min	48/48/48
X/Y/Z-Axis Motor Power	kW	2.5/2.5/2.7

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

Protection		
/	/	Metal Universal Version (Standard Protection)

Standard Configurations

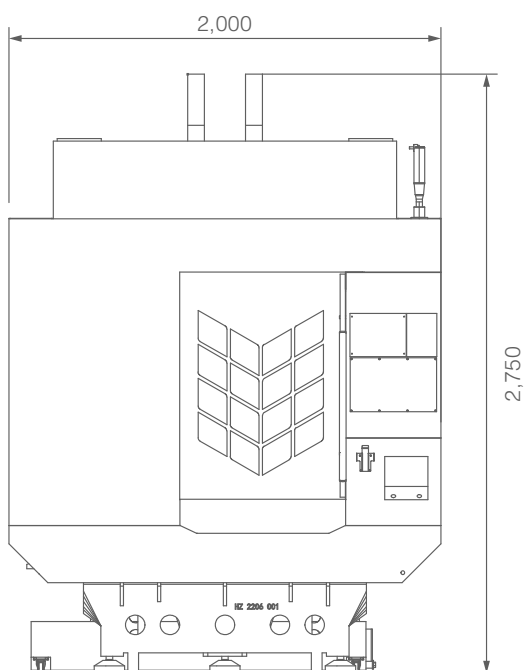
Automatic Centralized Lubrication System	Blow Gun
Chip-Flushing System	Electrical Cabinet Heat Exchanger
Coolant System	LED Work Light
Ethernet Port	Three-Color Alarm Light
Handwheel	Door Safety Interlock

Optional Configurations

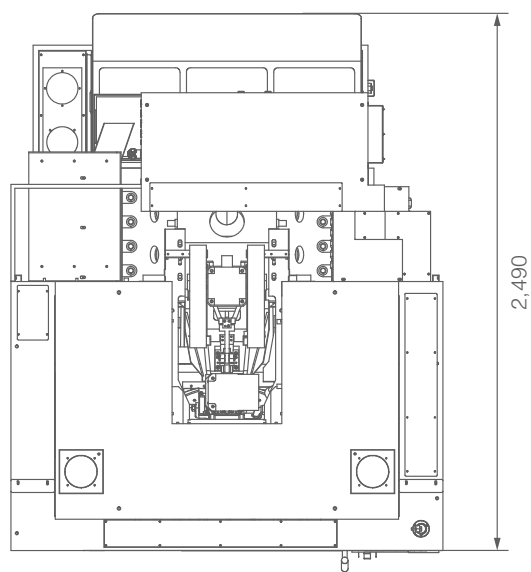
High Precision 3D Probe	Oil-Mist Collector
Automatic Door	Contact Tool Setter
Disc-Type Oil-Water Separator	Add-On Tool Magazine (ATM-14)
4/5th Axis Rotary Table	Spindle Chiller

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

UGT-700 20240408 VE3.2

Ultrasonic-Green

Drilling & Milling Center

UGT-1200



Technical Data

Controller	Standard	Optional
CNC Controller	FANUC	Mitsubishi/SIEMENS

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	3.5/8.76
Spindle Taper	-	BT30
Ultrasonic	-	Optional
Spindle-Through MQL	-	Optional
Ultrasonic + Spindle-Through MQL	-	Optional
Supercritical CO ₂ Spindle (Add-On)	-	Optional

Tool Magazine		
Tool Holding Capacity	No. of Tools	26
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 (LxWxH)	mm	2,930x2,980x2,700

Travel		
X/Y/Z-Axis Travel	mm	1,200x650x370
Spindle Nose to Table	mm	180-550
Spindle Center to Z-Axis Cover	mm	660

Worktable		
Dimensions	mm	1,300x600
Max. Load	kg	400
T-Slot (No.xWidthxDistance)	pcsxmmxmm	5x18x125

Feed Rate		
X/Y/Z-Axis Rapid Speed	m/min	30/30/30
X/Y/Z-Axis Motor Power	kW	1.8/1.8/3

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

Protection		
/	/	Metal Universal Version (Standard Protection)

Standard Configurations

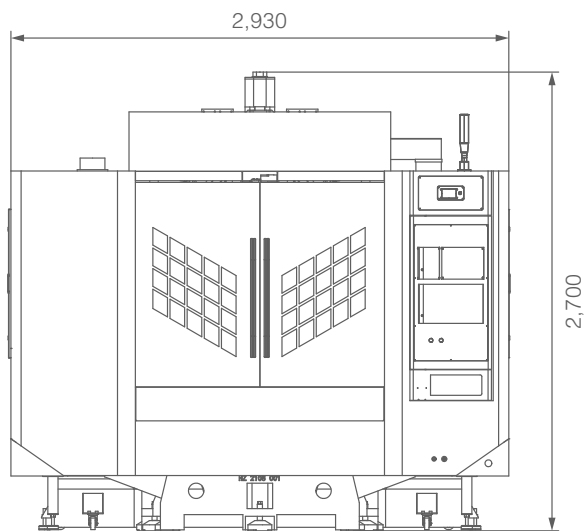
Automatic Centralized Lubrication System	Blow Gun
Chip-Flushing System	Electrical Cabinet Heat Exchanger
Coolant System	LED Work Light
Ethernet Port	Three-color Alarm Light
Handwheel	Door Safety Interlock

Optional Configurations

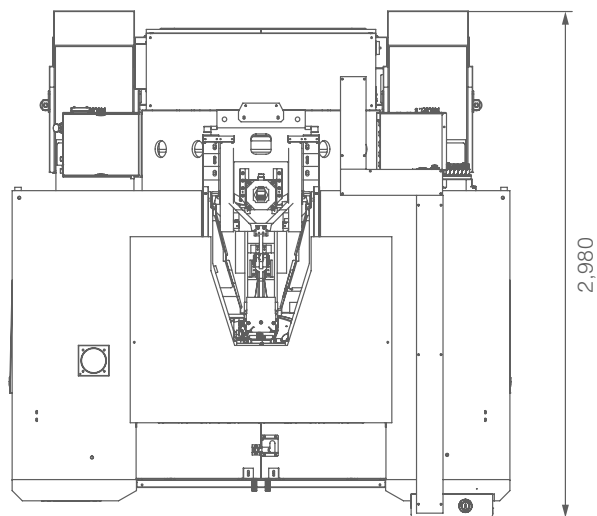
High Precision 3D Probe	Oil-Mist Collector
Automatic Door	Contact Tool Setter
Disc-Type Oil-Water Separator	Add-On Tool Magazine (ATM-14)
4/5th Axis Rotary Table	Spindle Chiller

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

UGT-1200 20240408 VE3.2

High-Efficiency

Drilling & Milling Center

JHT-500



Technical Data

Controller	Standard	Optional
CNC Controller	FANUC	Mitsubishi/SIEMENS

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	-	Optional
Spindle-Through MQL	-	/
Ultrasonic + Spindle-Through MQL	-	/
Supercritical CO ₂ Spindle (Add-On)	-	/

Tool Magazine		
Tool Holding Capacity	No. of Tools	26
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×W×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.×Width×Distance)	pcs×mm×mm	3×14×125

Feed Rate		
X/Y/Z-Axis Rapid Speed	m/min	48/48/48
X/Y/Z-Axis Motor Power	kW	2.5/2.5/2.7

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

Protection		
/	/	Dedicated to Hard-Brittle Materials (Three-Layer Protection)

Standard Configurations

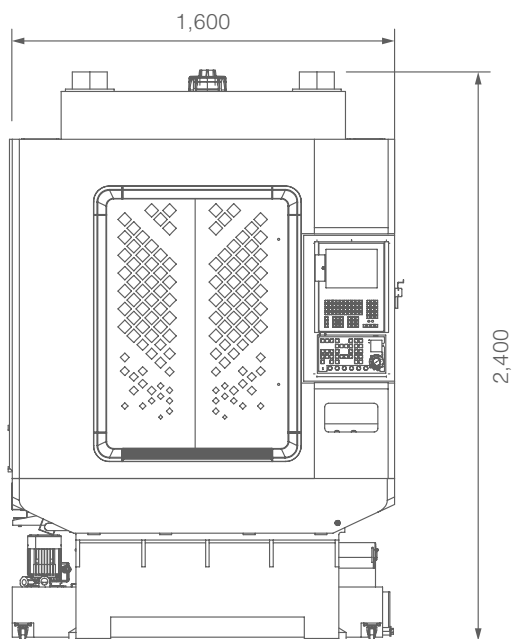
Automatic Centralized Lubrication System	Blow Gun
Chip-Flushing System	Electrical Cabinet Heat Exchanger
Coolant System	LED Work Light
Ethernet Port	Three-color Alarm Light
Handwheel	Door Safety Interlock

Optional Configurations

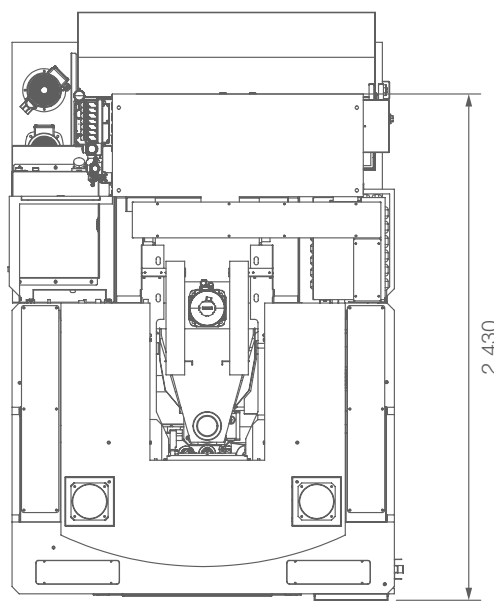
High Precision 3D Probe	Oil Mist Collector
Automatic Door	Contact Tool Setter
Disc-Type Oil-Water Separator	Add-On Tool Magazine (ATM-14)
4/5th Axis Rotary Table	Spindle Chiller

Floor Plans (Unit: mm)

Front View



Top View



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

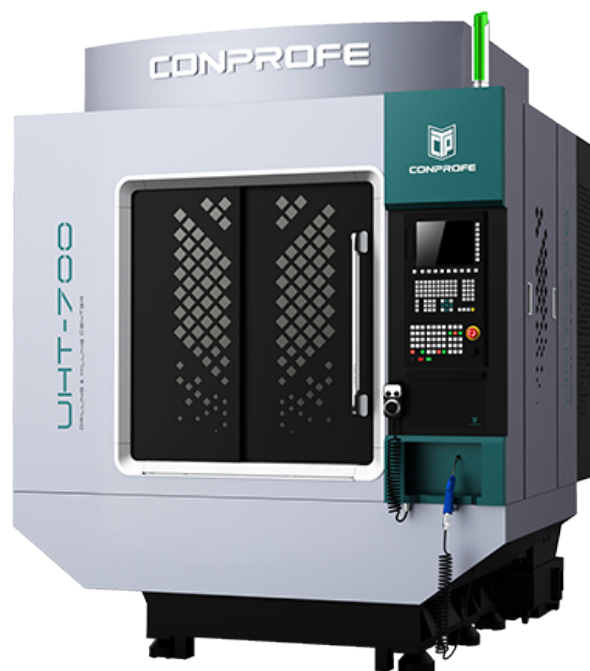
Contact: Esther HU +86-138 2607 9999 E-mail: esther.hu@conprofetech.com
Address: No.6 2nd Nanyun Road, Science City, Hi-tech Development Zone, Guangzhou, 510663, P.R.C

UHT-500 202040409 VE3.3

High-Efficiency

Drilling & Milling Center

JHT-700



Technical Data

Controller	Standard	Optional
CNC Controller	FANUC	Mitsubishi/SIEMENS

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	-	Optional
Spindle-Through MQL	-	/
Ultrasonic + Spindle-Through MQL	-	/
Supercritical CO ₂ Spindle (Add-On)	-	/

Tool Magazine		
Tool Holding Capacity	No. of Tools	26
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×W×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.×Width×Distance)	pcs×mm×mm	3×14×125

Feed Rate		
X/Y/Z-Axis Rapid Speed	m/min	48/48/48
X/Y/Z-Axis Motor Power	kW	2.5/2.5/2.7

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

Protection		
/	/	Dedicated to Hard-Brittle Materials (Three-Layer Protection)

Standard Configurations

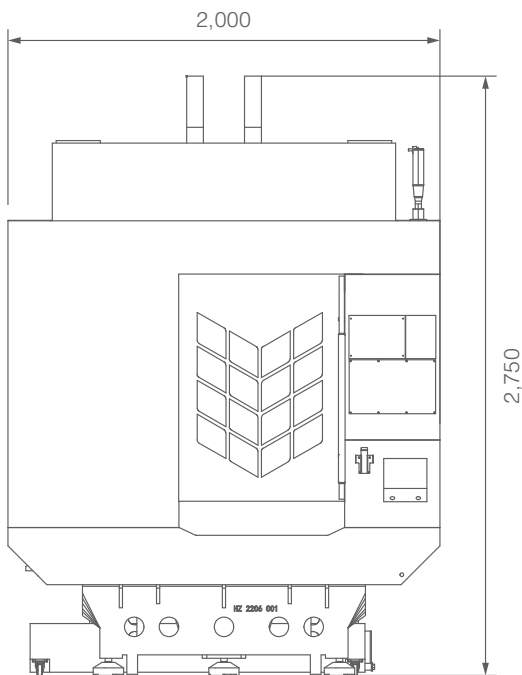
Automatic Centralized Lubrication System	Blow Gun
Chip-Flushing System	Electrical Cabinet Heat Exchanger
Coolant System	LED Work Light
Ethernet Port	Three-Color Alarm Light
Handwheel	Door Safety Interlock

Optional Configurations

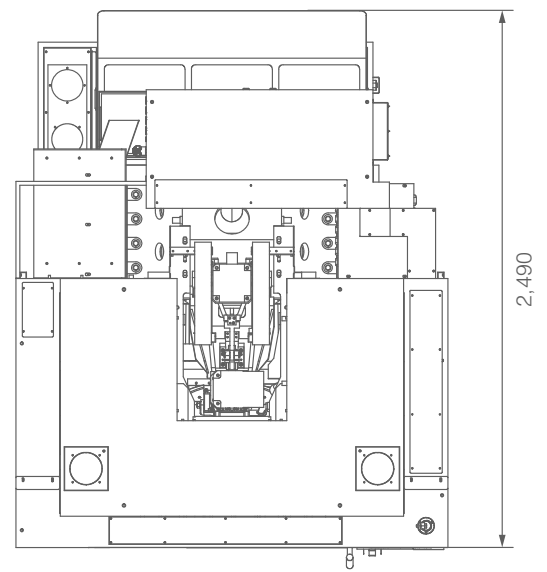
High Precision 3D Probe	Oil Mist Collector
Automatic Door	Contact Tool Setter
Disc-Type Oil-Water Separator	Add-On Tool Magazine (ATM-14)
4/5th Axis Rotary Table	Spindle Chiller

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

UHT-700 20240408 VE3.2

High-Efficiency

Drilling & Milling Center

JHT-1200



Technical Data

Controller	Standard	Optional
CNC Controller	FANUC	Mitsubishi/SIEMENS

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	-	Optional
Spindle-Through MQL	-	/
Ultrasonic + Spindle-Through MQL	-	/
Supercritical CO ₂ Spindle (Add-On)	-	/

Tool Magazine		
Tool Holding Capacity	No. of Tools	26
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×W×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.×Width×Distance)	pcs×mm×mm	5×18×125

Feed Rate		
X/Y/Z-Axis Rapid Speed	m/min	48/48/48
X/Y/Z-Axis Motor Power	kW	2.5/2.5/2.7

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

Protection		
/	/	Dedicated to Hard-Brittle Materials (Three-Layer Protection)

Standard Configurations

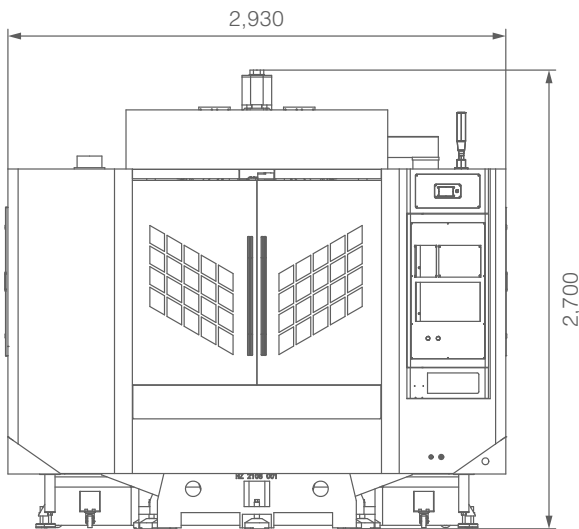
Automatic Centralized Lubrication System	Blow Gun
Chip-Flushing System	Electrical Cabinet Heat Exchanger
Coolant System	LED Work Light
Ethernet Port	Three-Color Alarm Light
Handwheel	Door Safety Interlock

Optional Configurations

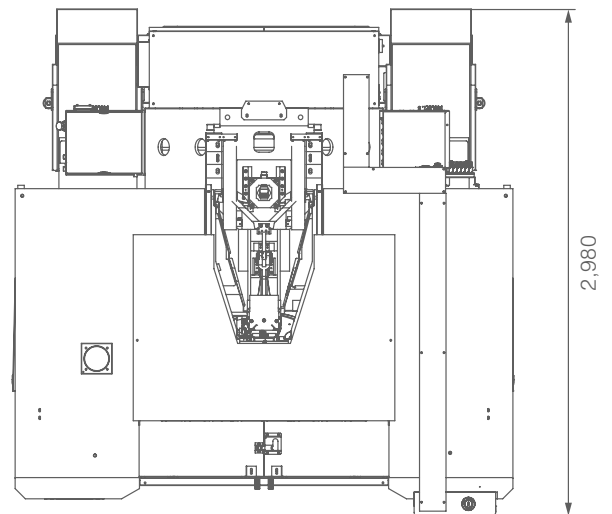
High Precision 3D Probe	Oil-Mist Collector
Automatic Door	Contact Tool Setter
Disc-Type Oil-Water Separator	Add-On Tool Magazine (ATM-14)
4/5th Axis Rotary Table	Spindle Chiller

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-1200 20240408 VE3.2



Conprofe Lightweight Vertical 5-Axis Machining Center

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

20240615 VE1.4

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

Lightweight Vertical 5-Axis Machining Center

LVD100-5AXIS



Technical Data

Controller

CNC Controller	-	M30
----------------	---	-----

Spindle

Diameter	mm	Φ80
Max. Speed (Short-Duration)	rpm	40,000
Max. Speed (Long-Duration)	rpm	28,000
Tool Spec.	mm	Φ6
Motor Power	kW	4
Ultrasonic	-	/
Minimum Quantity Lubrication (MQL)	-	/
Ultrasonic + MQL	-	/

Tool Magazine

Tool Holding Capacity	No. of Tools	20
Max. Tool Diameter (Full)	mm	Φ6
Max. Tool Length	mm	55
Max. Tool Weight	kg	0.5
Type	-	Built-in Type

Miscellaneous

Power Supply Voltage	-	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	8.5
Air Pressure	MPa	0.4-0.7
Total Air Consumption	L/min	5-300
Total Weight (incl. Accessories)	kg	790
Machine Size (L×W×H)	mm	1,010×1,120×1,940

Travel

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

Worktable

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

Feed Rate

X/Y/Z-Axis Rapid Speed	m/min	10/10/10
A/B-Axis Rapid Speed	rpm	60/40

Accuracy

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

Standard Configurations

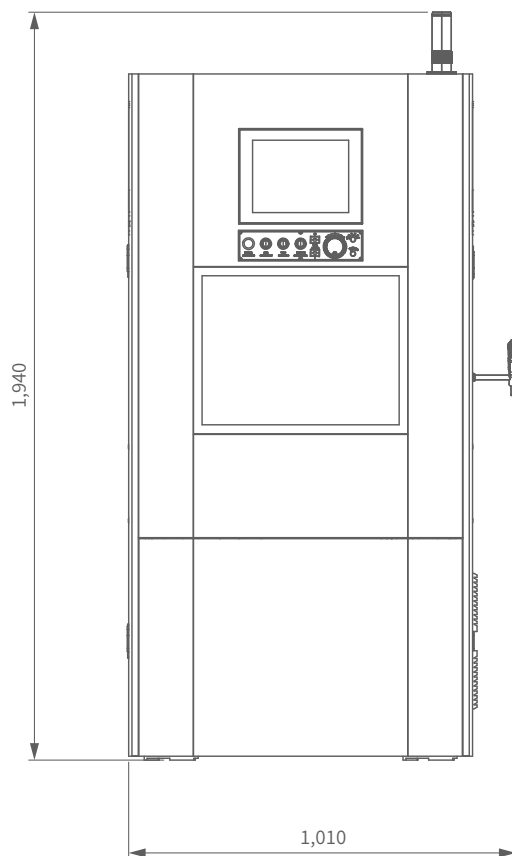
Direct-Tool-Clamping Spindle (4kW)	Spindle Chiller
20T Magazine	Manual Lubrication System
Coolant System	Automatic Door

Optional Configurations

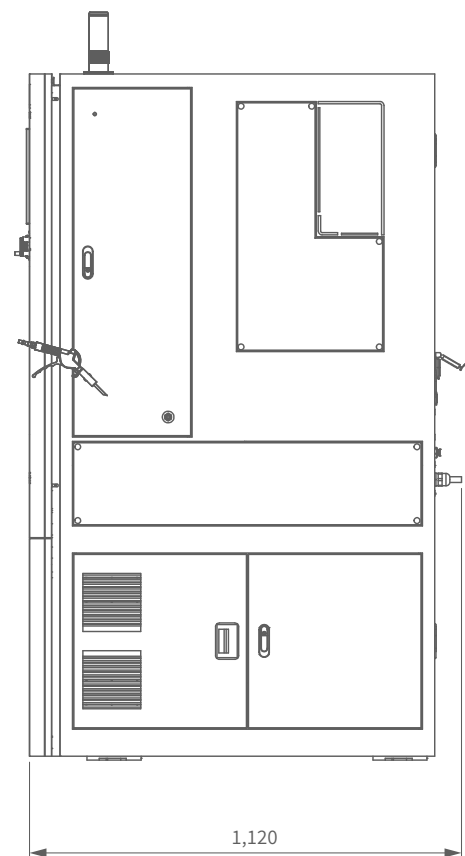
Optional Fixture for Disc-Shape Blanks (Malone Bridge, Crown)
Optional Automatic Storage & Access System for Pre-Milled Titanium Blanks
Optional Automatic Storage & Access System for Pre-Milled Crowns
Optional Automatic Storage & Access System for Pre-Milled Titanium Blanks & Crowns

Floor Plans (Unit: mm)

Front View



Side View



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

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

LVD100-5AXIS 20240615 VE1.4

Lightweight Ultrasonic-Green Vertical 5-Axis Machining Center

UGV100L-5AXIS



Technical Data

Controller

CNC Controller	-	M30
----------------	---	-----

Spindle

Diameter	mm	Φ80
Max. Speed (Short-Duration)	rpm	36,000
Max. Speed (Long-Duration)	rpm	24,000
Spindle Taper	-	HSK-E25
Motor Power	kW	3.7
Ultrasonic	-	Standard
Minimum Quantity Lubrication (MQL)	-	Optional
Ultrasonic + MQL	-	Optional

Tool Magazine

Tool Holding Capacity	No. of Tools	10
Max. Tool Diameter (Full)	mm	Φ10
Max. Tool Length	mm	55
Max. Tool Weight	kg	0.5
Type	-	Built-in Type

Miscellaneous

Power Supply Voltage	-	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	9
Air Pressure	MPa	0.4-0.7
Total Air Consumption	L/min	5-600
Total Weight (incl. Accessories)	kg	790
Machine Size (L×W×H)	mm	1,010×1,120×1,940

Travel

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

Worktable

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

Feed Rate

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

Accuracy

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

Standard Configurations

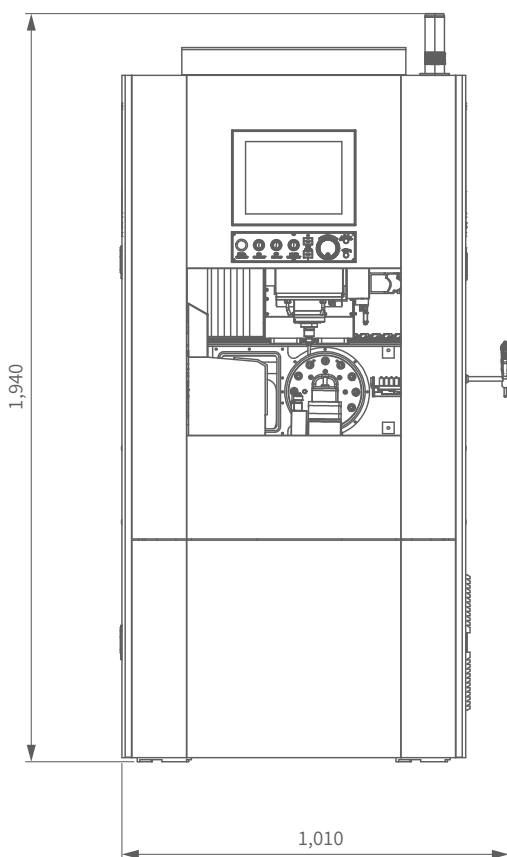
Ultrasonic Spindle HSK-E25 (3.7kW)
 10T Disc-Type Tool Magazine
 Coolant System
 Constant Temperature Spindle Chiller
 Automatic Quantitative Oil Injection System
 Automatic Door
 Ultrasonic Machining System
 Electronic Cabinet Cooling System
 Incl. 3 Tool Holders

Optional Configurations

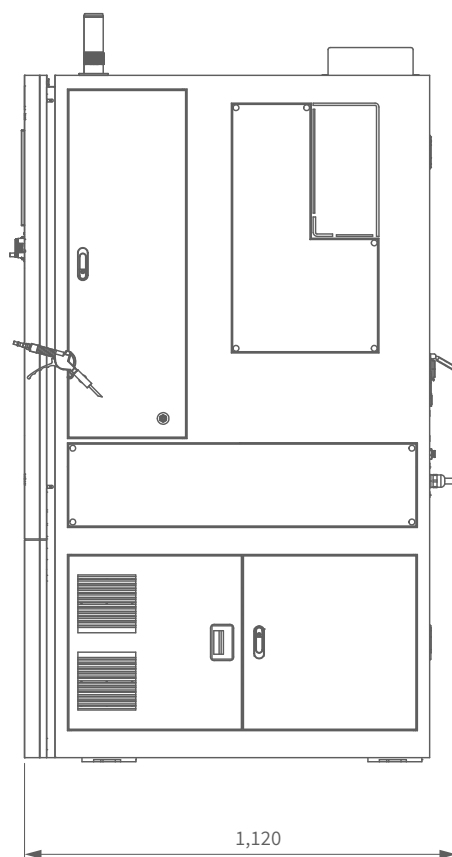
Optional Fixture for Disc-Shape Blanks (Malone Bridge, Crown)
 Optional Automatic Storage & Access System for Pre-Milled Titanium Blanks
 Optional Automatic Storage & Access System for Pre-Milled Crowns
 Optional Automatic Storage & Access System for Pre-Milled Titanium Blanks & Crowns
 Cut-Off and Collection System (Abutments/Dental Crowns)
 Through-Spindle Cooling Unit
 Minimum Quantity Lubrication (MQL) System
 18T Disc-Type Tool Magazine

Floor Plans (Unit: mm)

Front View



Side View



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

UGV100L-5AXIS 20240615 VE1.4



CONPROFE

CONverging of Global Resources
PROFEssional as Industry Leader



Conprofe Technology Group Co., Ltd.

Website: www.conprofecnc.com
E-mail: sales-international@conprofetech.com
Tel: +86-20 3861 9084 / +86-138 2607 9999
Address: No.6, 2nd Nanyun Road, Science City, Hi-tech
Development Zone, Guangzhou, 510663, P.R.C



Website



YouTube



Linkedin

© 2024 Conprofe Technology Group Co., Ltd. All Rights Reserved.

VE1.0

The information given is not binding. Actual products and mutual agreement shall prevail. Reprinting of any text and illustrations requires written authorization of Conprofe.