



# Conprofe Gantry Machining Centers

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UGG Series 20231110 VE1.3

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

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## Technical Parameters

Item	Unit	UGG-1613	UGG-3025
<b>Travel</b>			
X/Y/Z-Axis Travel	mm	1,600×1,300×600	3,000×2,900×1,000
Spindle Nose to Table	mm	200-800	300-1,300
<b>Worktable</b>			
Dimensions	mm	1,700×1,200	3,000×2,100
Max. Load	kg	3,000	10,000
T-Slot (No.×Width×Distance)	pcs×mm×mm	7×22×150	11×22×180
<b>Spindle</b>			
Diameter	mm	Φ 150 (Direct-Driven)	Φ 190 (Belt-Driven)
Max. Speed (Short-Duration)	rpm	15,000	10,000
Max. Speed (Long-Duration)	rpm	12,000	8,000
Motor Power (Rated)	kW	9	22
Motor Torque (Rated)	Nm	55	136
Spindle Taper	-	BBT40	BT50
Ultrasonic	-	Optional (Add-On Type)	Optional (Add-On Type)
Minimum Quantity Lubrication (MQL)	-	Optional	Optional
Supercritical CO <sub>2</sub> Spindle	-	Optional	Optional
<b>Feed Rate</b>			
X/Y/Z-Axis Rapid Speed	m/min	15/18/18	8/10/10
X/Y/Z-Axis Max. Feed	m/min	10/10/10	6/6/6
X/Y/Z-Axis Motor Power	kW	5.4/3.55/3.55	7.1/6.4/6.4
<b>Accuracy</b>			
X/Y/Z-Axis Positioning Accuracy	mm	0.02/0.015/0.015	0.03/0.03/0.02
X/Y/Z-Axis Repeatability	mm	0.01/0.008/0.008	0.02/0.02/0.015
<b>Tool Magazine</b>			
Tool Holding Capacity	No. of Tools	24	24
Max. Tool Diameter (Full / Partial)	mm	Φ 80/Φ 150	Φ 112/Φ 200
Max. Tool Length	mm	300	300
Max. Tool Weight	kg	8	18
Type	-	Disc Type	Disc Type
<b>Miscellaneous</b>			
Power Supply Voltage	-	Three-Phase AC, 380V/50Hz	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	30	50
Air Pressure	MPa	0.5-0.8	0.5-0.8
Total Air Consumption	L/min	>100	>100
Total Weight (incl. Accessories)	kg	14,000	40,000
Machine Size (L×W×H)	mm	4,450×4,300×(3,440-4,230)	8,295×5,267×(4,450-5,500)
<b>Counterweight</b>			
Counterweight (Z-Axis)	-	Nitrogen (Optional)	Nitrogen
<b>Controller</b>			
CNC Controller	-	SIEMENS 828D-280 (Standard)	SIEMENS 828D-280 (Standard)
		Mitsubishi M80B/ FANUC 0i-MF (5) (Optional)	Mitsubishi M80B/ FANUC 0i-MF (5) (Optional)

# Main Configurations

● Yes ○ No

## UGG-1613

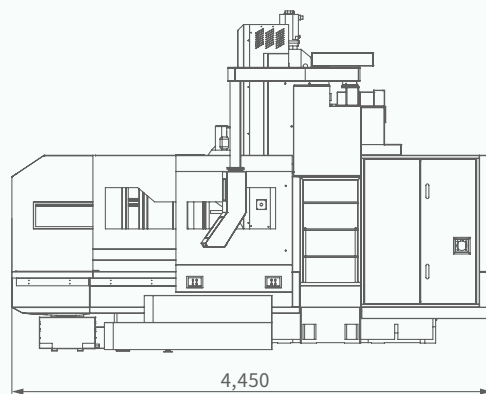
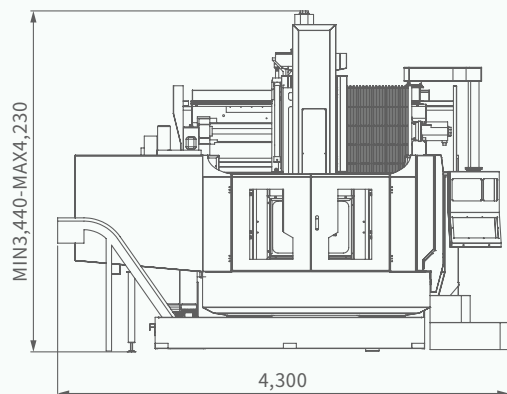
## UGG-3025

Standard Configurations	UGG-1613	UGG-3025
Coolant System	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Centralized Automatic Lubrication System	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Handwheel	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Blow Gun	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Electrical Cabinet Heat Exchanger	<input checked="" type="radio"/>	<input checked="" type="radio"/>
LED Work Light	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Three-Color Alarm Light	<input checked="" type="radio"/>	<input checked="" type="radio"/>

Optional Configurations	UGG-1613	UGG-3025
4/5th Axis Rotary Table	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Contact Tool Setter	<input checked="" type="radio"/>	<input checked="" type="radio"/>
High Precision 3D Probe	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Chip Auger & Chain Type Chip Conveyor	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Disc-Type Oil-Water Separator	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Spindle Chiller	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Water Gun	<input checked="" type="radio"/>	<input checked="" type="radio"/>

## Floor Plans (Unit: mm)

### UGG-1613



### UGG-3025

