

# Conprofe Engraving & Milling Centers



URB-400

URB-600

**URB Series**



## Technical Parameters



Item	Unit	URB-400	URB-600
<b>Travel</b>			
XY/Z-Axis Travel	mm	400×400×150	600×500×300
Spindle Nose to Table	mm	185-335	130-430
<b>Worktable</b>			
Dimensions	mm	400×400	620×560
Max. Load	kg	100	300
T-Slot (No.xWidth×Distance)	pcs×mm×mm	5×12×80	7×12×80
<b>Spindle</b>			
Diameter	mm	Φ 100	Φ 100
Max. Speed (Short-Duration)	rpm	40,000	40,000
Max. Speed (Long-Duration)	rpm	32,000	32,000
Motor Power (Rated)	kW	6	6
Motor Torque (Rated)	Nm	2.7	2.7
Spindle Taper	-	HSK-E32	HSK-E32
Ultrasonic	-	Standard	Standard
Ultrasonic + MQL	-	Optional	Optional
<b>Feed Rate</b>			
XY/Z-Axis Rapid Speed	m/min	15/15/15	15/15/15
XY/Z-Axis Max. Feed	m/min	10/10/10	10/10/10
XY/Z-Axis Motor Power	kW	0.75/0.75/0.75	0.85/0.85/0.85
<b>Accuracy</b>			
XY/Z-Axis Positioning Accuracy	mm	0.005	0.005
XY/Z-Axis Repeatability	mm	0.003	0.003
<b>Tool Magazine</b>			
Tool Holding Capacity	No. of Tools	Non-Ultrasonic: 11	Non-Ultrasonic: 15
		Ultrasonic: 11	Ultrasonic: 15
Max. Tool Diameter (Full)	mm	60	130
Max. Tool Length	mm	75	80
Max. Tool Weight	kg	3	3
Type	-	Umbrella Type	Umbrella Type
<b>Miscellaneous</b>			
Power Supply Voltage	-	Three-Phase AC, 380V/50Hz	Three-Phase AC, 380V/50Hz
Power Capacity	kVA	10	27
Air Pressure	MPa	0.5-0.7	0.5-0.7
Total Air Consumption	L/min	> 100	> 100
Total Weight (incl. Accessories)	kg	2,100	5,000
Machine Size (L×W×H)	mm	1,245×1,750×2,130	1,850×2,100×2,395
<b>Controller</b>			
CNC Controller	-	HNC-918D (Standard)	HNC-918D (Standard)
		SIEMENS 828D-280 (Optional)	SIEMENS 828D-280 (Optional)

## Main Configurations

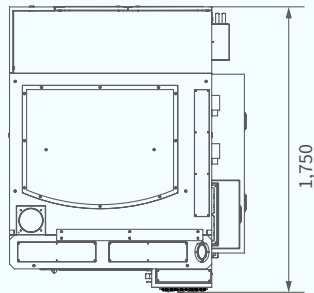
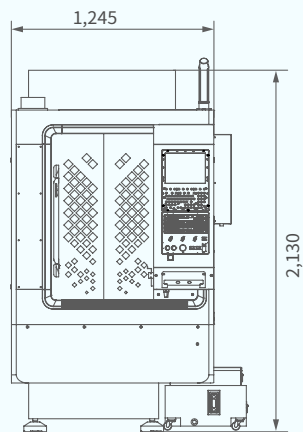
● Yes ○ No

	URB-400	URB-600
<b>Standard Configurations</b>		
Coolant System	●	●
Centralized Automatic Lubrication System	●	●
Spindle Chiller	●	●
Handwheel	●	●
Blow Gun	●	●
Electrical Cabinet Heat Exchanger	●	●
LED Work Light	●	●
Three-Color Alarm Light	●	●
Door Safety Interlock	●	●

	URB-400	URB-600
<b>Optional Configurations</b>		
High Precision 3D Probe	●	●
Oil-Mist Collector	●	●
4/5th Axis Rotary Table	●	●
Automatic Door	●	●
Contact Tool Setter	●	●
Ultrasonic Amplitude Measuring Device	●	●
Extended Tool Magazine	ETM-11	ETM-15
5-Axis Simultaneous Machining System (with RTCP Function)	●	●

## Floor Plans (Unit: mm)

### URB-400



### URB-600

