

HW2000-C

Application

General Industry : Sheet Metal , Metalworking , Steel Structures , Heavy Machinery

Precision Industry : Electronics , Semiconductors , Precision Molds , Automation

Transportation & Energy : Automotive , Shipbuilding , Rail Transit , Energy Equipment

Features

- **Smart Dual-Wobble | 9 Scan Modes**
Multiple waveform options optimize cleaning paths for different contaminants.
- **300mm Wide Coverage | Fast Large-Area Cleaning**
Up to 300mm cleaning width for rapid removal of rust, paint, oxide layers, and surface contaminants.
- **Industrial Water Cooling | Stable Continuous Operation**
Full water-cooling design supports high-power, long-duration processing.
- **Multi-Safety Protection | Reliable Operation**
Advanced safety interlocks and protection systems ensure safer operation.



Specification

System & Power	Rated Input Voltage	220V Single Phase, 50/60Hz	Cleaning Performance	Wobble Scan Type	Single Motor Scanning Wobble
	Rated Input Power	16 kW		Wobble Type	Linear , 9 Waveform Modes
	Max. Power Consumption	< 8.5 kW		Cleaning Target	Rust, Coatings & Oxide Layers
	Functional Mode	Continuous Cleaning		Applicable Materials	Industrial Metal Substrates
	Control Interface	7-inch Touch Screen			Hardware & Heavy Components
	Dimensions (W*D*H)	530*1040*860mm		Scan Width	300 * 300 mm
	Main Unit Weight	< 90 kg		Scanning Speed	20000 mm/s
Laser Performance	Laser Source Brand	Raycus	Cooling	Ultrasonic Distance Sensor	Φ10
	Fiber Connector	QBH		Focusing Lens	F800
	Rated Laser Output Power	1200W ±50		Cable Length	10 M
	Output Laser Wavelength	1080± 5nm		Torch Weight	< 1.0 kg
	Output Laser Wavelength	Continuous		Cooling Method	Water Cooled
	Safety Certification	CE		Assist Gas	Nitrogen / Argon / Compressed Air
	Laser Safety Class	Class 4		Gas Input Pressure	≥ 0.5~0.8MPa



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