

P300-5

< 25kg Ultra-Portable
MOPA | Clean Anything

Application

Precision Technology : Electronics , Semiconductors , Medical Devices , Precision Instruments

Precision Manufacturing : Molds , Precision Parts , Jigs & Fixtures , Hardware Processing

Advanced Industry : Automotive Parts , Aerospace , New Energy , Research Applications

Features

- **Lightweight Mobility | <25kg Portable Design**
Compact and lightweight for easy transport and on-site operation.
- **MOPA Pulsed Laser | Precision & Zero Damage**
Low heat input protects base materials with minimal thermal impact.
- **Green Cleaning | No Consumables Required**
Chemical-free and abrasion-free cleaning for lower cost and eco-friendly operation.
- **Multi-Application | 11 Scan Modes**
Supports rust removal, paint stripping, degreasing, and mold cleaning in one system.
- **Precision Cleaning | Fine Detail Processing**
Ideal for molds, precision parts, and high-quality surface treatment.
- **10 Safety Protections | International Certified** : CE / FDA / FCC Certified



Specification

System & Power	Rated Input Voltage	110 / 220V Single Phase, 60Hz	Cleaning Performance	Wobble Scan Type	Dual Motor Scanning Wobble
	Rated Input Power	1.0 kW		Wobble Type	Linear , Planar
	Max. Power Consumption	2.0 kW		Applicable Materials	Metal (SS / Al / Ti / Cu)
	Functional Mode	Pulsed Cleaning			Precision Molds, PCBs, Wood
	Control Interface	7-inch Touch Screen			Leather, Footwear Materials
	Dimensions (W*D*H)	570*304*450mm		Scan Width	0~220 mm
	Main Unit Weight	< 25kg		Wobble Frequency	0~130 Hz
Laser Performance	Fiber Connector	QCS	Cooling	Cleaning Efficiency	≤ 4m ² / H
	Peak Power	300W		Focusing Lens	F254
	Rated Laser Output Power	300W ±10		Cable Length	5 M
	Output Laser Wavelength	1064nm		Torch Weight	< 0.72 kg
	Output Laser Wavelength	Pulse		Cooling Method	Air Cooled
	Safety Certification	CE, FDA, FCC		Assist Gas	Nitrogen / Argon / Compressed Air
	Laser Safety Class	Class 4		Gas Input Pressure	0.3~0.8MPa

