ATMOSPHERIC PLASMA SURFACE TREATMENT

ACE+ TECHNOLOGY

SERVICE • REPAIR • REFURBISHMENT • SALES

PL-5050

PL-5050P

PRODUCT OVERVIEW

Atmospheric plasma enables dry, chemical-free surface cleaning and activation, enhancing adhesion for bonding, coating, and printing. It removes microscopic contaminants and increase surface energy, delivering consistent, high-quality results in both manual and inline production.

APPLICATION AREAS

- Coating, printing and labelling
- Automotive components
- Medical components
- Plastic and rubber bonding
- Printed circuit board (PCB)

TECHNICAL PARAMETERS

Parameter		Unit	PL-5050	PL-5050P
Input Voltage			AC 220V (±10%), 50/60Hz	
Input Current		A	5.0 - 7.0	4.0 - 8.0
Plasma Output Power		W	600 - 1200	750 - 1500
Air Consumption		L/min	60	
Supply Pressure		MPa	0.4 - 0.8	
Operating Pressure		MPa	0.1 - 0.25	0.1 - 0.3
Dimension (L*W*H)		mm	576 * 350 * 322	590 * 350 * 365
Weight		kg	22	28
Plasma Gun	Gun Type		Rotary	
	Treatment Width	mm	16 - 70	16 - 110
	Treatment Height	mm	5 - 15	
	Nozzle Types	mm	16, 20, 30, 40, 50, 70	16, 20, 30, 40, 50, 70, 85, 100
Application			Medium width treatment, Cost-effective	Wider coverage, Higher speed, Higher throughput
Alarm Functions			Air pressure abnormality, Overtemperature detection, Under and overcurrent , Motor speed abnormality, Consumables	
Additional Functions			Air outlet mode control, Processing time setting, Encoder speed synchronization, Spray gun monitoring, Motor rotation control, Alarm logging system	

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