

SC-PE-I

COMPACT BENCHTOP PLASMA CLEANER

The SC-PE-I is a compact benchtop RF plasma cleaning system operating at an industrial standard 13.56 MHz frequency. Engineered with a quartz vacuum chamber (Ø 74 mm), it supports adjustable RF power levels up to 50 W, integrated gas flow control with precise needle valves, and real-time vacuum pressure display for uniform surface treatment.



AT A GLANCE

RF Frequency **13.56 MHz**

Max RF Power **50 W (Adjustable)**

Chamber Size **Ø 74 × 185 mm**

Flow Range **0 – 160 mL/min**

System Weight **6.0 kg**

Standard RF Plasma Generation

Operates at a standard 13.56 MHz frequency for consistent gas excitation and uniform off-surface contamination removal.

Adjustable Power Output

RF power is adjustable up to 50 W with three pre-set level selectors (High, Middle, Low) for custom, flexible process control.

Integrated Flow Monitoring

Features a gas-feed lines needle valve flow meter (0-160 mL/min) and an analog pressure gauge for precise gas dosing.

Lightweight Benchtop Design

Weighs only 6 kg with a compact frame, enabling simple horizontal desktop integration and easy laboratory portability.

Technical Specifications

Process Capabilities & Plasma Generation	
Operating Frequency	13.56 MHz
Maximum RF Power	50 W (Adjustable high/middle/low levels)
Quartz Chamber Dimensions	Diameter: 74 mm; Depth: 185 mm
Optional Accessories	Precision flow meter & pressure gauge (0–160 mL/min; 0 Pa – Atmospheric pressure)
Control System & Peripherals	
Power Control	Manual rotary switch adjustments
Vacuum Pump Support	Mechanical vacuum pump (3L capacity)
Installation Method	Horizontal desktop placement
Power & Facilities	
Power Supply	AC 220V Standard / AC 110V Optional
Facilities & Mechanical Data	
Machine Dimensions (W×D×H)	254 mm × 205 mm × 220 mm
System Weight	6 kg
Operating Environment	0 - 40 °C / < 85% RH (Non-condensing)
Warranty	1 Year

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