

# SPC 150

## SOFT PLASMA CLEANER

The SPC150 is a high-vacuum, gentle plasma cleaner equipped with three gas path MFCs for precise gas flow control. The remote RF ion source ionizes the gas to produce a mild plasma, enabling the removal of organic and silicon contaminants from TEM samples and sample rods, as well as surface activation and hydrophilization. A grid is placed between the ion source and the sample chamber to achieve a more efficient and gentle cleaning effect, avoiding plasma bombardment damage. This makes it particularly suitable for cleaning hydrocarbon and silicon contamination on ultrathin carbon films and for plasma treatment of fragile and sensitive TEM samples.

Touchscreen automatic control, plug and play.



High Vacuum

RF-ICP Technology  
Gentle Plasma Cleaning

Good Uniformity  
Good Repeatability

SuPro Instruments LTD

Nanshan,

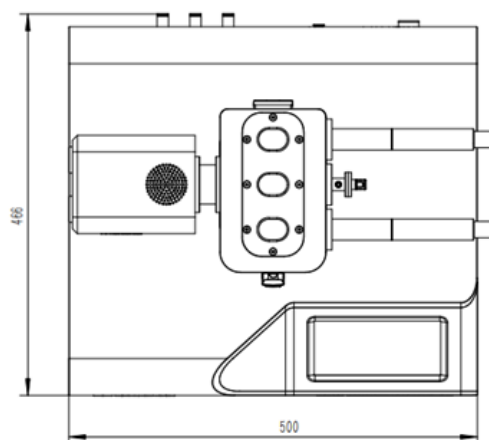
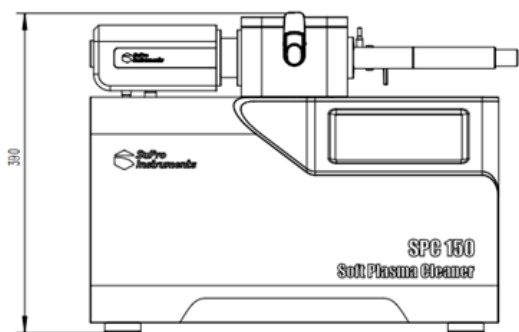
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Technical Specifications	Parameters
Vacuum Pump System	Turbo Pump and Oil-free Diaphragm Pump
Turbo Pump Inlet Flange	DN63ISO-K (Standard)
Turbo Pump Speed	>85L/s (N <sub>2</sub> )
Diaphragm Pump Speed	>0.7m <sup>3</sup> /h
Ultimate vacuum	<5E-4Pa
Pump System Start-up Time	≤300s
TEM Holder Accessories	Compatible with Thermo, JEOL, Hitachi Sample Holders; Supports 2 or More TEM Holders
Chamber Dimension	160*100 mm
Plasma Cleaning Source	The Principle of Remote RF Source, Manual Matching
RF Power Supply	13.56MHz RF Power, Adjustable from 5W to 50W
Gas Control	3-way MFC control, and can be connected to gases like Ar, O <sub>2</sub> , and H <sub>2</sub>
Vacuum Gauge	Full-range Compound Gauge
Operating method	Touchscreen Control with the Control System Providing Interlock Protection Functions
Weight	~30Kg
Dimensions	500mm * 466mm * 390mm
Power Supply	100-220V AC, 50/60Hz Grounded Three-prong Plug
Power Consumption	<500W
Warranty	One year
Remarks	The above-listed technical specifications and parameters are subject to updates without further notice. Contact us if you have any questions.



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