

AXIOM
SCIENTIFIC

Yidon Technologies
屹东光学

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Yidon Technologies Co., Ltd

PLASMA CLEANER

YP-20



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Axiom Scientific Ltd.
Yidon Technologies co.,Ltd



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CORE ADVANTAGES

- 01

Inductively Coupled Plasma (ICP) technology to generates plasma with much higher particle density than traditional capacitively coupled technology.
- 02

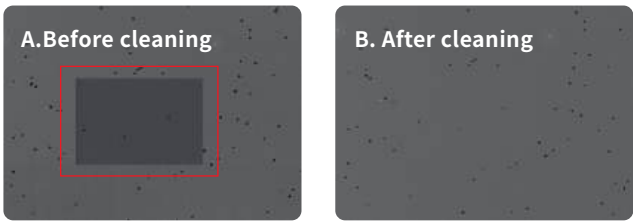
The high concentration of oxygen radicals generated can efficiently remove surface hydrocarbon contaminants on the sample.
- 03

"Downstream" cleaning method has no damage to the sample and preserves the original surface morphology.
- 04

Operating pressure range: 0.01-500 Pa, will not damage the high vacuum of electron microscope sample chamber.
- 05

Integrated software control, one-button operation without excessive user operation.

EFFICIENT CLEANING



SAMPLE: SILICON WAFER

A. Before cleaning: obvious carbon deposition occurred in the central area of the sample after electron beam scanning (black rectangular area in the middle).

B. After cleaning: cleaned for 5 minutes at 50W power, the carbon on the surface disappeared.

CONVENIENT TO USE

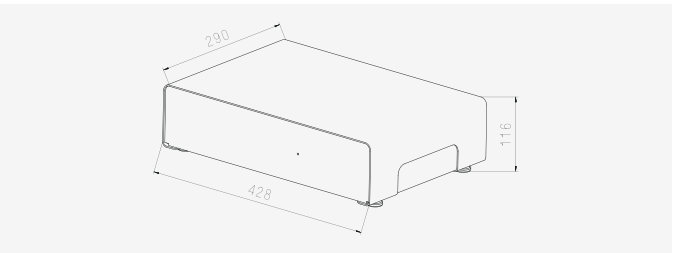
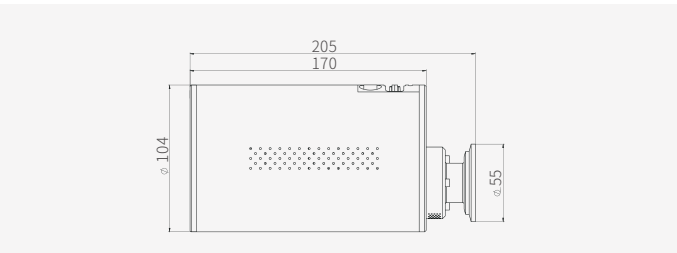
Can be directly installed on the vacuum interface of the electron microscope chamber without special fixing tools.

User-friendly interface with built-in common cleaning settings for different types of samples.

Can preset the cleaning process and remotely control it.

Both the sample chamber and the sample can be cleaned.

PERFORMANCE PARAMETERS



PLASMA SOURCE PARAMETERS	
Power	5-100W
Operating pressure	0.01-500Pa
Gas type	Air, O ₂ , Ar
Vacuum interface type	KF40
Dimensions L*W*H	205*104*104mm
Weight	2kg

CONTROL CABINET PARAMETERS	
Dimensions L*W*H	428*290*116mm
Weight	6kg
Power requirements	110/220VAC, 50/60 Hz RF frequency:13.56 MHz Power consumption:200VA Characteristic resistance:50Ω
Communication method	Ethernet
Software	Dedicated control software