

SC-UV-II

LARGE-AREA UV-OZONE CLEANER

The SC-UV-II is a large-format benchtop UV-Ozone cleaning system equipped with dual-band ultraviolet output (185 nm and 254 nm). It provides an expanded active tray surface area of 300 mm × 300 mm for high-throughput processing. The SC-UV-II+ model integrates an optional substrate heating stage up to 200°C for thermally-assisted surface treatment.



AT A GLANCE

Tray Area	300 × 300 mm
Wavelengths	185nm & 254nm
Lamp Power	300 W
Heating Stage	Optional (SC-UV-II+)
Chamber Material	Stainless Steel

Extended Processing Area

Accommodates large-scale substrates and high-throughput cleaning profiles with an expanded active tray size of 300 mm × 300 mm.

High-Power UV Array

Features 300 W dual low-pressure mercury lamps delivering higher UV density for rapid photo-sensitized ozone oxidation.

Chamber Safety Interlock

Equipped with a magnetic safety switch that disables the ultraviolet light source instantly when the sample drawer is pulled open.

Corrosion-Resistant Cavity

Constructed entirely from premium stainless steel to resist acid, alkali, and high concentrations of active ozone gases.

Technical Specifications

Process capabilities & Optics	
Cleaning Wave Band	185nm and 254nm (Dual-Band)
Light Tube Type / Power	Dual wave low pressure mercury tube × 2 / 300 W
Average Light Intensity	28~32 mW/cm ² (at a distance of 3-5mm from the UV lamp)
Irradiation Area / Distance	300 mm × 300 mm / 5 – 60 mm (Adjustable)
Tray Outer Dimension	300 mm (W) × 300 mm (D) × 5~100 mm (H)
Structure & Safety Controls	
Material & Structure	Stainless steel chamber (corrosion, acid & alkali resistant) / Drawer type stage
Safety Protection	Drawer opening and closing interlock system (prevents accidental UV exposure)
Timer Range / Operation	0 – 99min99s with automatic countdown / Manual termination supported
Accessories	Optional ozone neutralizer to avoid ozone damage
Substrate Heating Stage	Optional (Room temperature – 200°C, suitable for SC-UV-II+ model only)
Power & Facilities	
Air Intake / Air Outlet	Reserved φ8mm intake port / φ50mm outlet port
Power Supply (UV Cleaner)	AC 220V Standard / AC 110V Optional (300 W)
Facilities & Mechanical Data	
Outer Dimensions (Device)	380 mm (W) × 430 mm (D) × 320 mm (H)
Product Weight	26 kg
Operating Environment	0 - 40 °C / < 85% RH
Warranty	1 Year

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