

SC-UV-I

COMPACT UV-OZONE CLEANER

The SC-UV-I is a compact benchtop UV-Ozone cleaning system featuring dual-band ultraviolet output (185 nm and 254 nm). Equipped with a drawer-type sample tray and a stainless steel inner chamber, it provides reliable organic contaminant removal and surface modification capabilities. The SC-UV-I+ variant incorporates an optional 200°C substrate heating stage.



AT A GLANCE

Tray Area	160 × 200 mm
Wavelengths	185nm & 254nm
Lamp Power	150 W
Heating Stage	Optional (SC-UV-I+)
Chamber Material	Stainless Steel

Dual-Band UV Source

Emits high-intensity 185 nm and 254 nm wavelengths via low-pressure mercury lamps to generate ozone and degrade organic residues simultaneously.

Drawer-Type Sample Stage

Features a sliding drawer configuration designed for standard slide and wafer sizes, facilitating substrate placement.

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 / 150 W
Average Light Intensity	28~32 mW/cm ² (at a distance of 3-5mm from the UV lamp)
Irradiation Area / Distance	150 mm × 200 mm / 5 – 30 mm (Adjustable)
Tray Outer Dimension	160 mm (W) × 200 mm (D) × 5~30 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-I+ model only)
Power & Facilities	
Air Intake / Air Outlet	Reserved φ8mm intake port / φ25mm outlet port
Power Supply (UV Cleaner)	AC 220V Standard / AC 110V Optional (180 W)
Facilities & Mechanical Data	
Outer Dimensions (Device)	250 mm (W) × 300 mm (D) × 260 mm (H)
Product Weight	8 kg
Operating Environment	0 - 40 °C / < 85% RH
Warranty	1 Year

SETCAS ELECTRONICS CO., LIMITED

Address: FLAT 1215, 12/F, HARBOUR INDUSTRIAL CENTRE, 10 LEE HING STREET, AP LEI CHAU, HKSAR
 WhatsApp: +1 (858) 733-4202 | Website: www.setcaslab.com | Sales: sales02@setcas.hk / Support: support@setcas.com