

Sample Cleaner for Electron Microscope
ZONETEM II

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The innovative ZONETEM II Desktop Sample Cleaner uses UV-based cleaning technology to minimize or eliminate hydrocarbon contamination for electron microscopy imaging.

ZONETEM II

Desktop Sample Cleaner



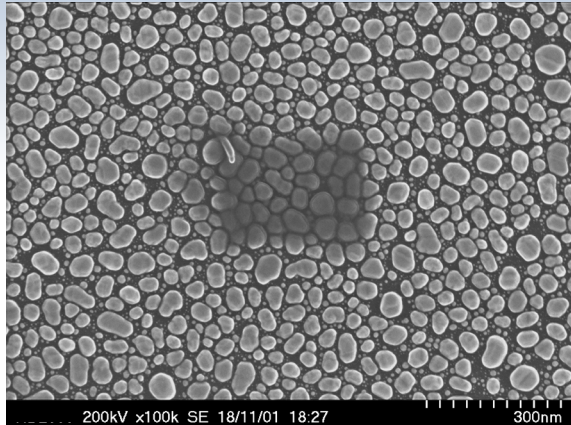
The ZONETEM II utilizes vacuum-controlled UV irradiation and activated oxygen to gently and rapidly “clean” the specimen surface prior to imaging without the use of any chemicals, supply gases, or reagents. With a lab-friendly footprint and intuitive touch screen, the second-generation Zone Sample Cleaner is a safe, easy-to-use addition to any laboratory.



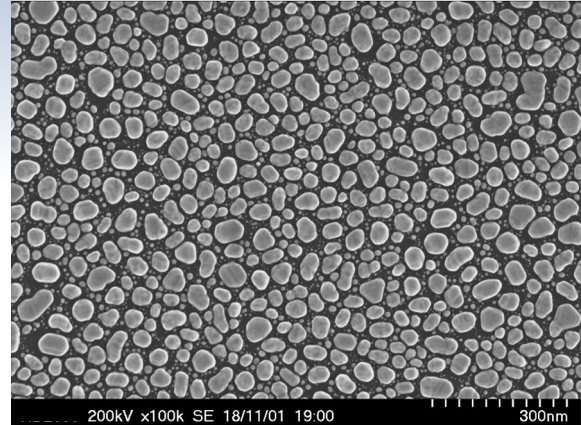
ZONETEM II

Ultraviolet-Source Hydrocarbon Removal System for TEM Sample Cleaning

Before ZONETEM II Cleaning



After ZONETEM II Cleaning



Specifications

Item	Content
Model No.	ZNE-2050, ZNE-5055
UV Lamp	Wavelength: 184 nm, 254 nm, etc. (visible, green, and infrared light)
Cleaning Chamber Size	217 mm (W) x 58 mm (D) x 73.5 mm (H)
Process Mode	UV cleaning mode Vacuum retention mode
Vacuum Setting	Settable in 100 steps of vacuum pressure
Process Setting Time	1 to 30 min
Vacuum Pump	Dry vacuum exhaust system
Ozone exclusion	Built-in ozone exclusion device
Unit Dimension	334 mm (W) x 355 mm (D) x 250 mm (H)
Weight	Approximately 22 kg
Option	Additional holder ports

Installation Requirements

Item	Content
Room Temperature	15-35 degree C
Humidity	-75% (no condensation)
Power Supply	Power Supply: AC 100-240 V (±10%), 50/60 Hz Power Consumption: 0.14 kVA Type: 3P plug
Floor Space	650 mm x 780 mm (requires 200-mm distance from the wall)
Table Load Resistance	Over 100 kg

System Features:

1. Safe, non-destructive UV cleaning technology
2. Ergonomic form factor with LCD touch screen controller
3. Programmable cleaning recipes
4. Typical sample cleaning time: 5-15 minutes
5. Lab-friendly footprint
6. Standards: CE (EN61326, EN61000-3-2/6-2/6-4), FCC (Part15 Class A, EMC2014, CISPR16-2-1/16-2-3), RoHS (EN50581:2012)

Notes:

1. ZONETEM II sample cleaning results may vary by sample type and conditions. May not be suitable for all samples.
2. UV Lamp used is RoHS 2 non-compliant.

● Sales

Notice: For correct operation, follow the instruction manual when using the instrument. Specifications in this catalog are subject to change with or without notice, as Hitachi High-Technologies Corporation continues to develop the latest technologies and products for our customers.
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