



MODEL 1070 NanoClean

Cleans specimens and holders immediately before insertion into an electron microscope; removes existing carbonaceous debris from the specimen and prevents contamination during imaging and analysis.

Model 1070 NanoClean specifications

Plasma system

High frequency (13.56 MHz) power amplifier inductively coupled to a quartz and stainless steel plasma chamber

Ion energies less than 12 eV as a function of the downstream plasma

Automatic matching network

Compatible with TEM specimen holders for transmission electron microscopes manufactured by:

- Thermo Fisher Scientific/FEI Company/Philips Electron Optics
- Hitachi Ltd.
- JEOL Ltd.
- Carl Zeiss Microscopy

Vacuum system

Oil-free turbomolecular drag pump and a multistage diaphragm pump

Vacuum load lock

Ultimate vacuum of 1×10^{-6} mbar

Chamber

Accepts two specimen holder ports

Chamber lid provides access for bulk objects up to 8.9 cm [3.5 in.] diameter

Viewport for chamber observation

Gas

Three gas inputs

Nominal 103 kPa [15 psi] delivery pressure

Flow rate is controlled by the embedded module

User interface

Programming through a touch screen embedded module

Dedicated recipes for electron microscopy specimen and grid processing

Ability to customize parameters

Process timer for automatic termination

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Dimensions	69 cm [27 in.] width x 56 cm [22 in.] height x 59 cm [23 in.] depth
Weight	73 kg [160 lb.]
Power requirements	100/120/220/240 VAC, single phase, 660 W
Warranty	One year



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