



MODEL 1020

Plasma Cleaner

Cleans specimens immediately before they are inserted into the electron microscope; removes existing carbonaceous debris from the specimen and prevents contamination from occurring during imaging and analysis.

Model 1020 Plasma Cleaner Specifications

Plasma system

High frequency (13.56 MHz) oscillating field system coupled to a quartz and stainless steel plasma chamber

Ion energies less than 12 eV

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

- FEI Company/Philips Electron Optics
- Hitachi High Technologies America Inc.
- JEOL Ltd.
- Carl Zeiss Microscopy/LEO Electron Microscopes
- Topcon Corp.

Vacuum system

Oil-free turbomolecular drag pump and a multistage diaphragm pump

Ultimate vacuum of 1×10^{-7} mbar

Gas

25% oxygen and 75% argon

Nominal 10 psi (200 kPa) delivery pressure

Flow rate is factory set and can be adjusted via a potentiometer located on the service panel

Dimensions

23.2 in (59 cm) width x 20.4 in (52 cm) height x 23.2 in (59 cm) depth

Weight

133.5 lb (60.6 kg)

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User interface	Single control panel to initiate vacuum, plasma, and timer
	Process timer for automatic termination
	Service panel is easily accessible
Power requirements	100/120/220/240 V AC, 50/60 Hz, 660 W
Warranty	Two years



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