



# 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  $1 \times 10^{-7}$  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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<b>User interface</b>	Single control panel to initiate vacuum, plasma, and timer Process timer for automatic termination Service panel is easily accessible
<b>Power requirements</b>	100/120/220/240 V AC, 50/60 Hz, 660 W
<b>Warranty</b>	Two years



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