

Fischione Instruments Plasma Cleaners

Use Fischione plasma cleaners to clean specimens immediately before they are inserted into the electron microscope; the plasma cleaners remove existing carbonaceous debris from the specimen and prevent contamination from occurring during imaging and analysis.

A low-energy, inductively coupled, high frequency, downstream plasma effectively cleans the specimen surface without changing its elemental composition or structural characteristics. Highly contaminated specimens can be cleaned in two minutes or less.



Feature	Model 1020 Plasma Cleaner	Model 1070 NanoClean
Inductively coupled-plasma	Yes	Yes
Downstream plasma	Yes	Yes
Oil-free vacuum system	Yes	Yes
Holder ports	One	Two
Bulk objects	0.25 in. (10 mm) with Clamp Grip Holder	Up to 3.5 in. (8.9 cm) diameter
Gas	Single gas input 25% oxygen, 75% argon mix recommended	Three gas inputs (Ar, O ₂ , and H ₂) Concentration controlled through touch screen interface
Power	Fixed	Variable with automatic tuning/matching network
Chamber pressure	Fixed	Variable
Pump down time	< 3 minutes	< 50 seconds
Vent time	< 3 minutes	< 20 seconds