

Glow Discharge Cleaning

GDC-100

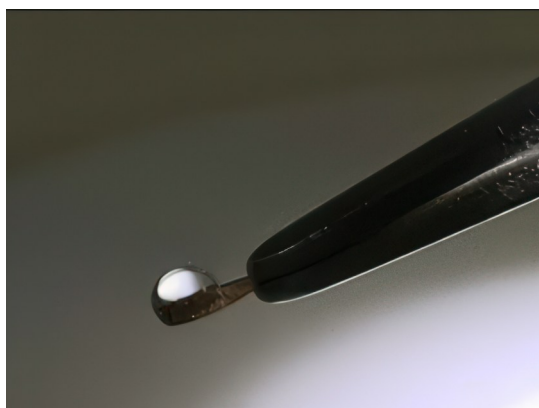
For sample hydrophilization, surface cleaning



Advantages:

- Stable, uniform glow discharge for consistent surface treatment
- Dedicated TEM grid sample stage for precise handling
- Simultaneous cleaning of up to 12 copper grids, improving efficiency
- Gentle gas inlet and exhaust to prevent sample displacement
- Integrated safety interlock with automatic power cut-off when the chamber is opened

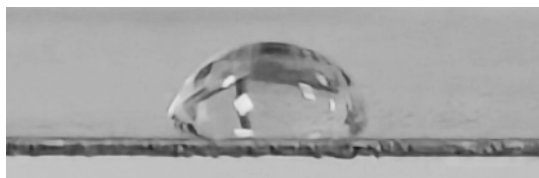
Applications



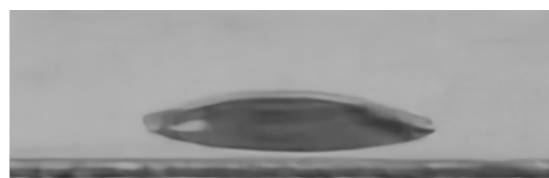
TEM grid before treatment



TEM grid after treatment



Copper sheet before treatment



Copper sheet after treatment

Specifications

GDC-100 Overall Specifications	
Overall Dimensions	435 x 380 x 310mm
Dimensions of Chamber	120 x 120 x 120mm
Touch Screen Size	7 inches
Cleaning Power	1-100W (adjustable)
Weight	15kg
Power Supply	220V; 50Hz
Processing Time	0-180s
Stage Size	70mm diameter
Evacuation Time	<1min
Z-Axis Movement	0-20mm
Working Gas	Nitrogen, Argon
Chamber Material	Aluminium Alloy
Vacuum Measurement	Pirani gauge
Operation	Automatic program triggered when preset vacuum conditions are reached, with user-adjustable parameters