

MiniQ GD

Designed with simplicity in mind, the easy-to-use MiniQ GD allows for surface modification of TEM grids. Resulting in the clear imaging of macromolecules.



Features and Benefits

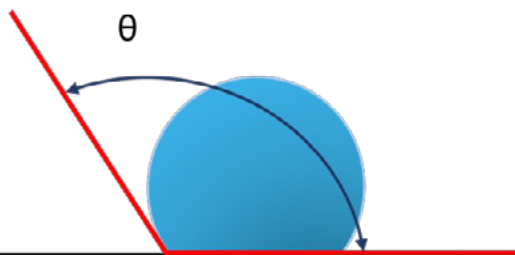
- ◆ Simple operation
- ◆ Robust touch panel
- ◆ Small footprint
- ◆ Automatic operation with minimal user intervention required
- ◆ Detachable chamber with implosion guard allowing for easy cleaning
- ◆ Pre-set profiles with single touch operation

Recommended applications:

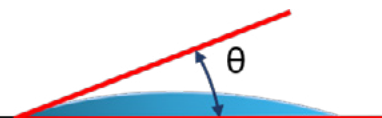
- ◆ Changing wettability of surfaces, primarily used for TEM grids to improve the spread of particles/ molecules on them, could also be used for SEM and AFM imaging when samples are applied onto substrate surfaces from liquid.
- ◆ Soft cleaning of surfaces

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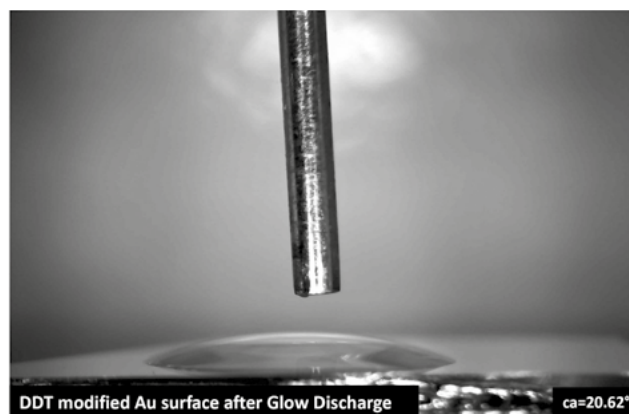
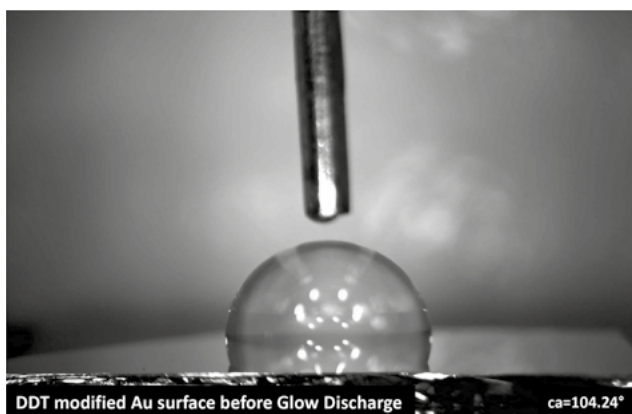
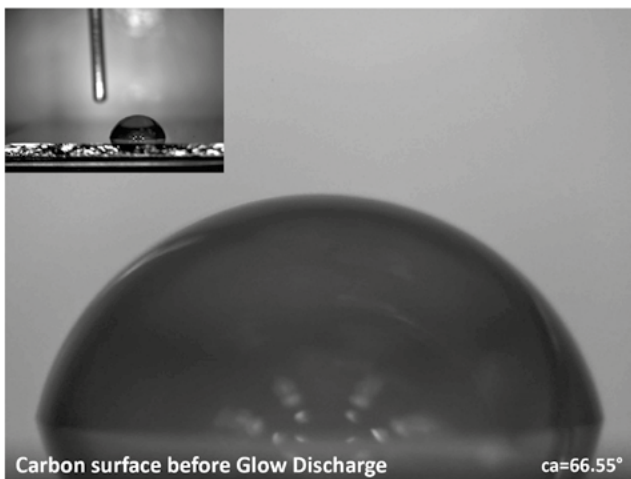
MiniQ GD



Hydrophobic surface



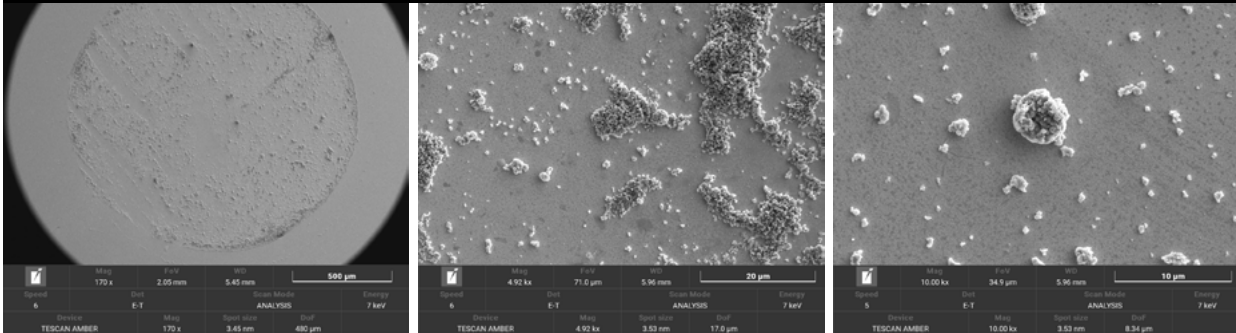
Hydrophilic surface



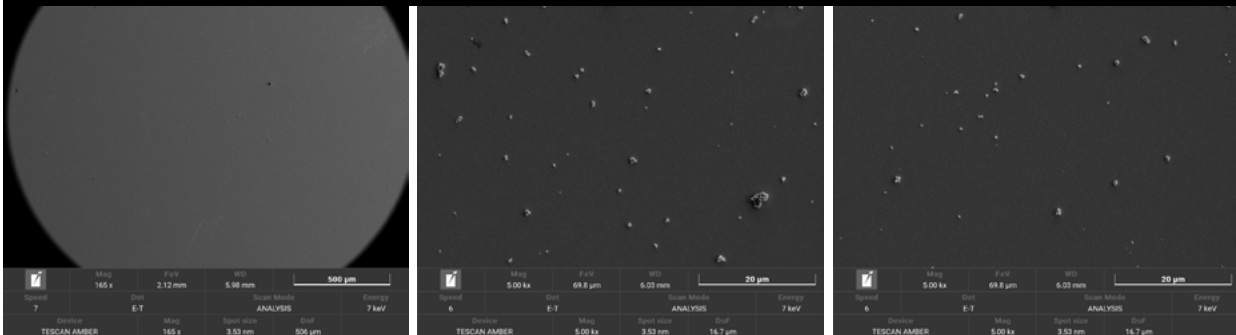
SPECIALISTS IN ELECTRON MICROSCOPY SAMPLE PREPARATION

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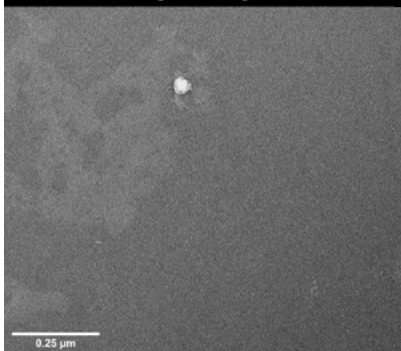
Molecular sieve particles applied from suspension onto carbon surface without Glow Discharge



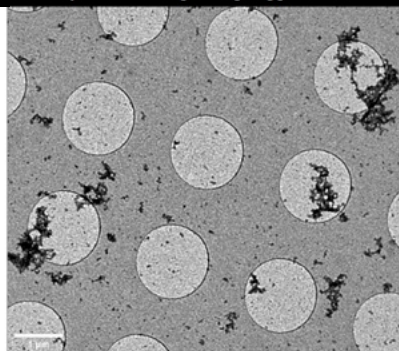
Molecular sieve particles applied from suspension onto carbon surface with Glow Discharge



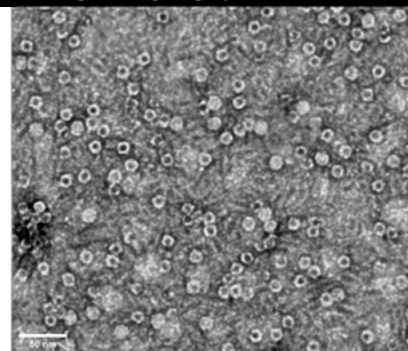
**Low concentration of ferritin solution.
No molecules caught on the grid surface.**



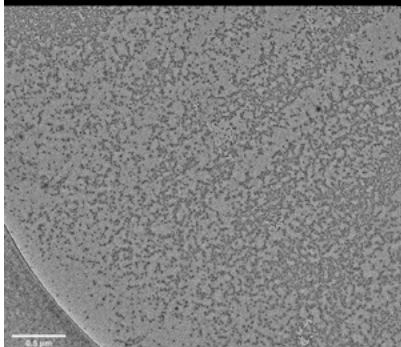
**High concentration of ferritin solution.
Poor spread resulting in large agglomerates.**



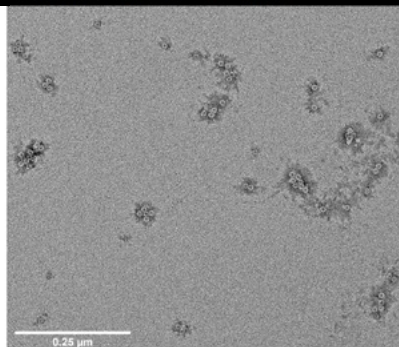
High concentration of ferritin solution. Poor staining resulting in light patches.



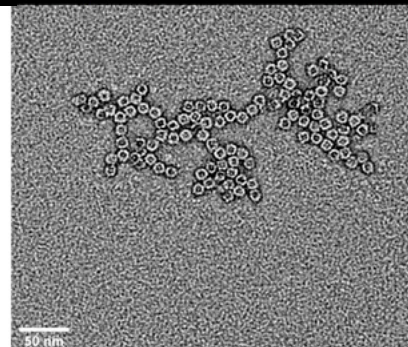
High concentration of ferritin solution. Large number of molecules caught on the surface.



**Low concentration of ferritin solution.
Molecules retained on the surface.**



Low concentration of ferritin solution. Glow discharge of the grid allowed correct staining.



Specifications

Instrument Dimensions

◆ 225 mm (Width) x 420 mm (Depth) x 325 mm (Height) (Total Height with coating head open 480 mm (H))

Weight

◆ 8.7 kg

Pump

You can purchase the instrument with or without a pump. Please note, the MiniQ GD specifications are based on use with a Pfeiffer Duo 6 pump. For more information regarding pump options please contact sales@quorumtech.com

Compliance

- ◆ The MiniQ GD complies to LVD, EMC, RoHS directives
- ◆ The MiniQ GD conforms to UKCA and European CE industry marks

Safety

- ◆ Vacuum interlocks remove power from deposition sources to prevent users being exposed to high voltage

Quorum



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