e: sales@moorfield.co.uk t: +44 (0)1565 722609 w: moorfield.co.uk

nanoEM by Moorfield.

High-performance coating for electron microscopy.

- Optimised for electron microscopy applications
- Multi-technique, e.g, gold and carbon
- Single or dual-source models
- Water-cooled sources for continuous operation
- Industry standard sputtering targets
- Best uniformity and coating quality
- SEM stub/TEM grid/wafer substrate supports
- High-vacuum base pressures <5 × 10-7 mbar
- High performance DC power supplies
- Automatic recipe control via touchscreen HMI

MOORFIELD
NANOTECHNOLOGY

Moorfield Nanotechnology Limited. Unit 1, Wolfe Close, Parkgate Industrial Estate, Knutsford, Cheshire, UK, WA16 8XJ.
Registered in England and Wales with company number 3044718.

PRODUCT INFORMATION

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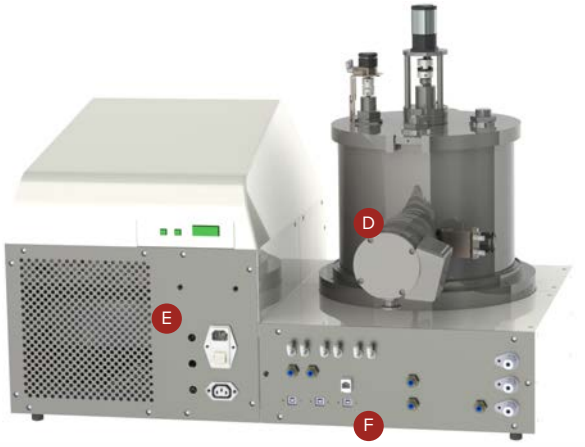


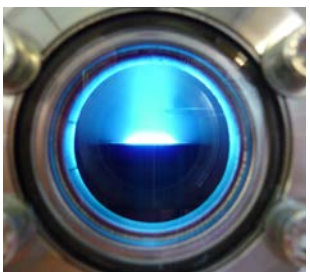
A Vacuum chamber
B Touchscreen HMI
C DC power supply

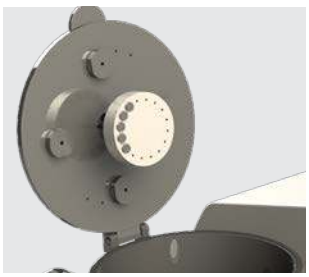
D Turbomolecular pump
E Electrical connections
F Water/gas/data connections

The nanoEM system is the first electron microscopy (EM) coating tool with a full research-grade feature set.

The units include stainless-steel chambers, turbomolecular pumping systems, water-cooled circular magnetrons for continuous operation and a precision sputtering power supply (DC; up to 300 W) as standard, all in a space-saving benchtop package. Ease-of-use and coating speed are built in for routine preparation of TEM/SEM samples. Using high-end components and compatibility with conventional targets, the possibilities are endless.

- Electron microscopy and research-grade coating
- Compact, benchtop unit
- SEM stub/TEM grid/wafer supports
- Up to 2 × 2” magnetron sputtering sources
- Industry-standard sputtering targets
- Turbomolecular pumping to <5 × 10^{-7} mbar
- MFC-controlled process gas
- Variable output DC power supply, up to 300 W
- Fully automatic, recipe operation via touchscreen HMI
- Automatic pressure control option
- Equipped for easy servicing
- Comprehensive safety features
- Cleanroom compatible
- Proven performance





ABOVE: nanoEM system.

LEFT: nanoEM chamber interior single magnetron sputtering source, and spare ports for additional source.

CENTRE: Coating as seen through the chamber viewport.

RIGHT: Substrate stages are connected to the chamber lid, are suitable for accepting SEM stubs, TEM grids or wafers, and are removable for easy loading.

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