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

nanoETCH by Moorfield.

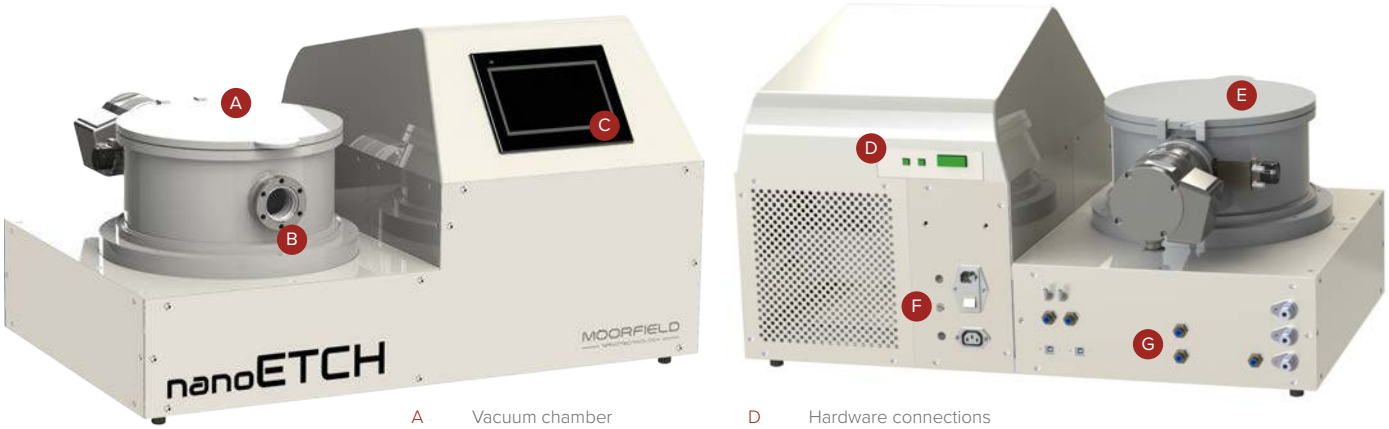
Soft-etching system for 2D materials.

PRODUCT INFORMATION

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.

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

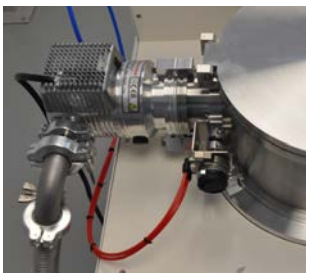


A	Vacuum chamber	D	Hardware connections
B	Chamber viewport	E	Turbomolecular pump
C	Touch-screen HMI	F	Electrical connections & fuses
		G	Service inlets/outlets panel

Developed with the Nobel Prize winning graphene group at Manchester University, UK, nanoETCH systems provide the fine control needed for substrate and device preparation in world-leading 2D materials research.

Released by Moorfield following extensive collaboration with academic partners, the nanoETCH series has been designed for etching applications needed as part of R&D work based on 2D materials including graphene and transition metal dichalcogenides (TMDCs). The instruments, which are fully automatic and touchscreen-operated, are equipped with precisely-controlled RF power generation and process gas introduction and are ultra-compact for benchtop location.

- 2D materials “soft-etching”
- Substrate/support conditioning for mechanical exfoliation
- Precision RF powers < 30 W
- Up to 3 MFC-controlled process gases
- Fully automatic operation via touchscreen HMI
- Up to 6” diameter stages
- Base pressures < 5×10^{-7} mbar
- Define/save multiple process recipes
- Automatic pressure control option
- Equipped for easy servicing
- Comprehensive safety features
- Cleanroom compatible
- Proven performance



Visit moorfield.co.uk or call +44(0) 1565 722609

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