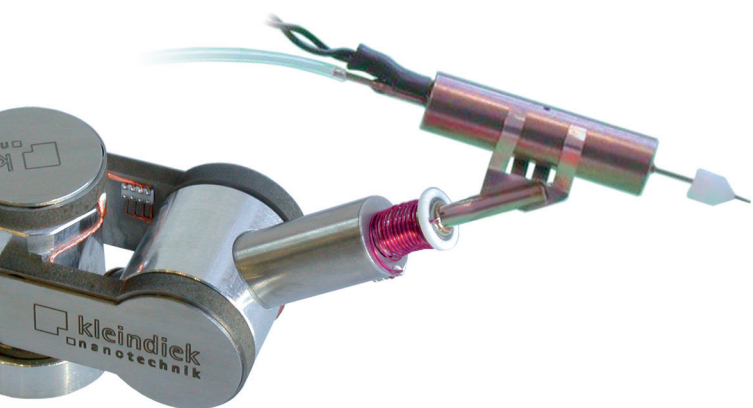


MIS-EM Microinjector

The MIS-EM is a micro-valve plug-in system for the MM3A-EM micromanipulator. It enhances your system by allowing you to inject microscopic amounts of liquids and gases onto your samples in low-vacuum SEM.



The unique combination of precision manipulation and controlled microinjection has attracted a lot of interest in the MIS-EM since its launch. In addition to ground-breaking experiments with fluids, it is also possible to work with non-condensing gases.

The plug-in tool can be quickly and easily fitted to your existing MM3A-EM micromanipulator.

Applications

- Food – sugar coating reactions
- Textile – swelling of fibres
- Pharma – chemical reactions
- Building – cement testing
- Biology – regenerative medicine
- Metallurgy – metal corrosion

Technical specifications

- Microvalve length 31.4 mm
- Microvalve diameter 5.6 mm
- Inlet diameter 0.6 mm
- Outlet outer diameter 0.5 mm
Outlet inner diameter 0.25 mm
- Weight 3 g
- Smallest drop size 100 µm*
- Temperature range 273 K to 353 K
- Wetted materials
EPDM seal (ethylene propylene),
PEEK polymer (polyaryletheretherketone),
PPS (polyphenylene sulphide), glass, polyoxymethylene, stainless steel, epoxy

* Measurement made using water: drop size depends on fluid viscosity

Further information

- Contact us at info@kleindiek.com
- Find your local agent at www.kleindiek.com

