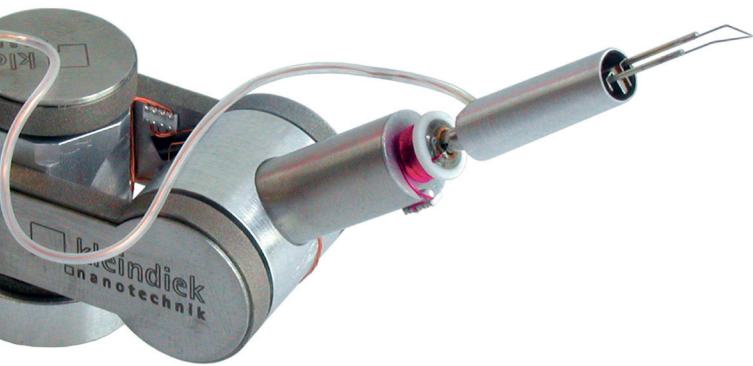


MGS2-EM Microgripper

The MGS2-EM is a microgripper plug-in for the MM3A-EM micromanipulator. It enhances your system by providing a high-resolution gripping solution for transport and assembly of micro-sized objects.



The gripper arms are tungsten probe tips and are piezo-controlled, allowing a step size of 20 nm. Custom-shaped gripper tips are available on request.

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

Applications

- Nanomanipulation
- In-situ lift-out

Technical specifications

- Total length 28 mm
- Tip length 5 mm
- Height 5 mm
- Gripping area (5 to 10 μm)²
- Resolution 20 nm
- Gripping force 5 to 5000 μN (variable)
- Maximum span range 20 to 40 μm
- Temperature range 273 K to 353 K
- Lowest pressure 10^{-7} mbar

Further information



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