

RT-STEM Rotational Axis

The RT-STEM is a stand-alone rotational axis for use in conjunction with the MM3A-EM micromanipulator. It enhances your system by providing a fourth degree of freedom that is required for numerous SEM and FIB applications.



ACTUAL SIZE

A TEM grid holder or a larger sample can be inserted into the axis and rotated with a resolution of 10^{-7} rad per step, allowing applications like true FIB lathe milling, tomography and STEM to be performed with ease.

Your existing MM3A-EM micromanipulator system can be quickly and easily upgraded for use with the RT-STEM.

Applications

- Nanomanipulation
- STEM
- Backside milling
- FIB lathe milling
- Tomography
- EFTEM, 3D & high-res mapping

Technical specifications

- Height 25.5 mm
- Width 15 mm
- Length 18.6 mm
- Weight 18 g
- Travel 360° unlimited
- Speed up to 0.6 rad/s
- Resolution 10^{-7} rad
- Holding torque 3 to 4 Nmm
- Temperature range 273 K to 353 K
- Lowest pressure 10^{-7} mbar
- Housing mounting M4 hole

Further information

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

