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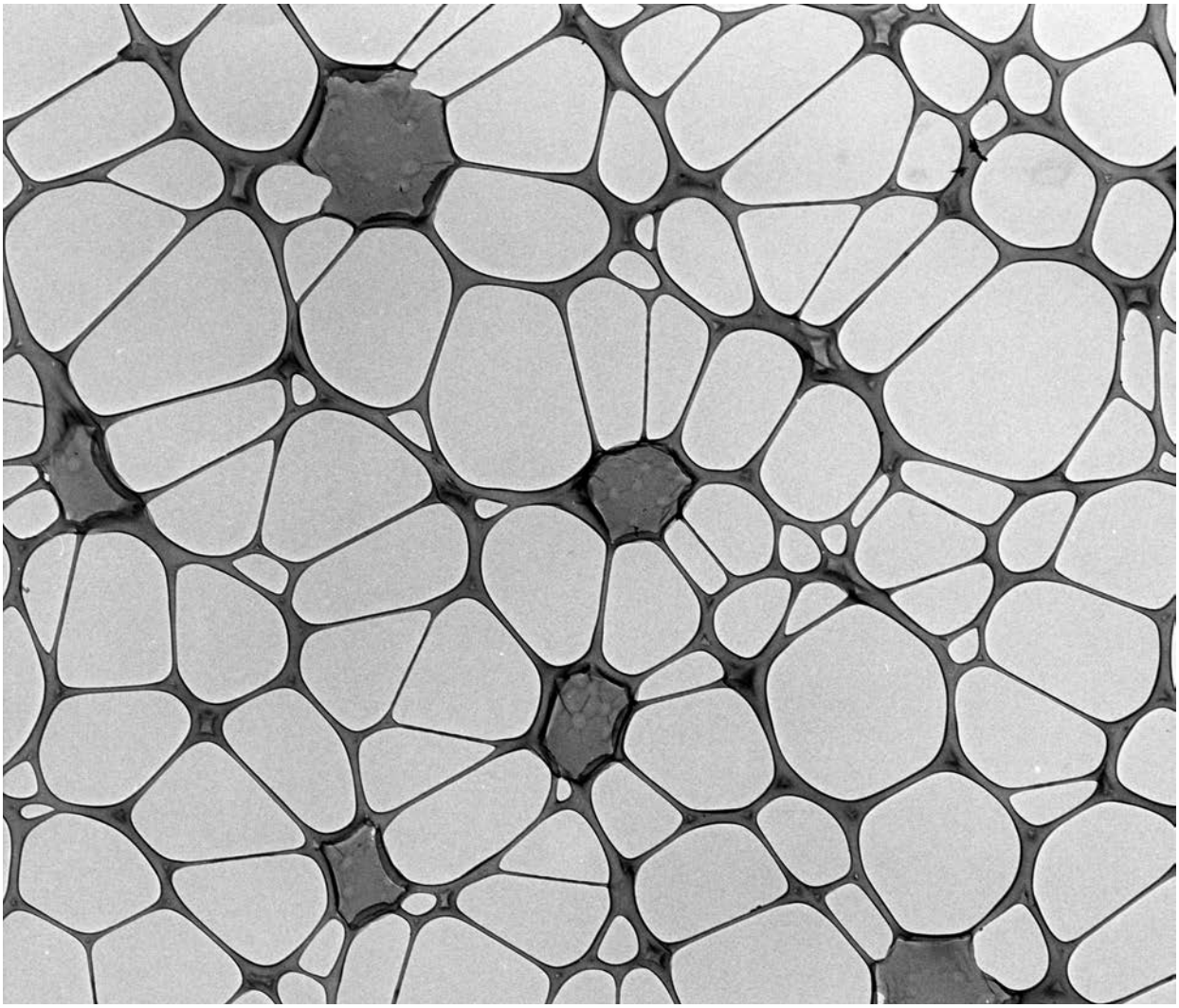
Holey and Lacey Carbon Support Films



- Skilfully manufactured in our own dedicated labs
- Available on copper, nickel and gold TEM grids
- 200, 300, 400 mesh grids
- H7 finder grids
- Available in grid boxes of 25 and 50

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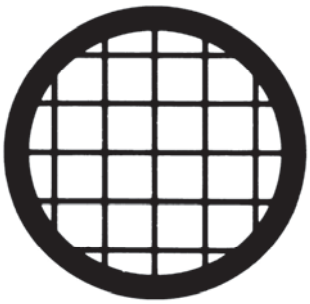
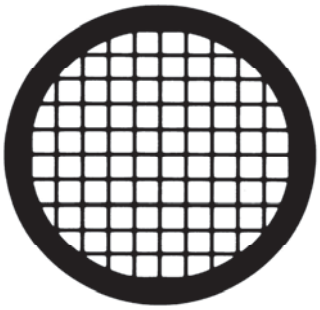
TEM Specimen Support Grids



50 mesh

75 mesh



100 mesh

150 mesh

- Skilfully manufactured in our own dedicated labs
- Extensive range of grids for TEM applications
- Square, hexagonal, rectangular, parallel, slot, hole, finder and folding
- 50 to 2000 mesh
- Copper, nickel, gold, gilded and platinised
- Special metals: aluminium, molybdenum, stainless steel and titanium

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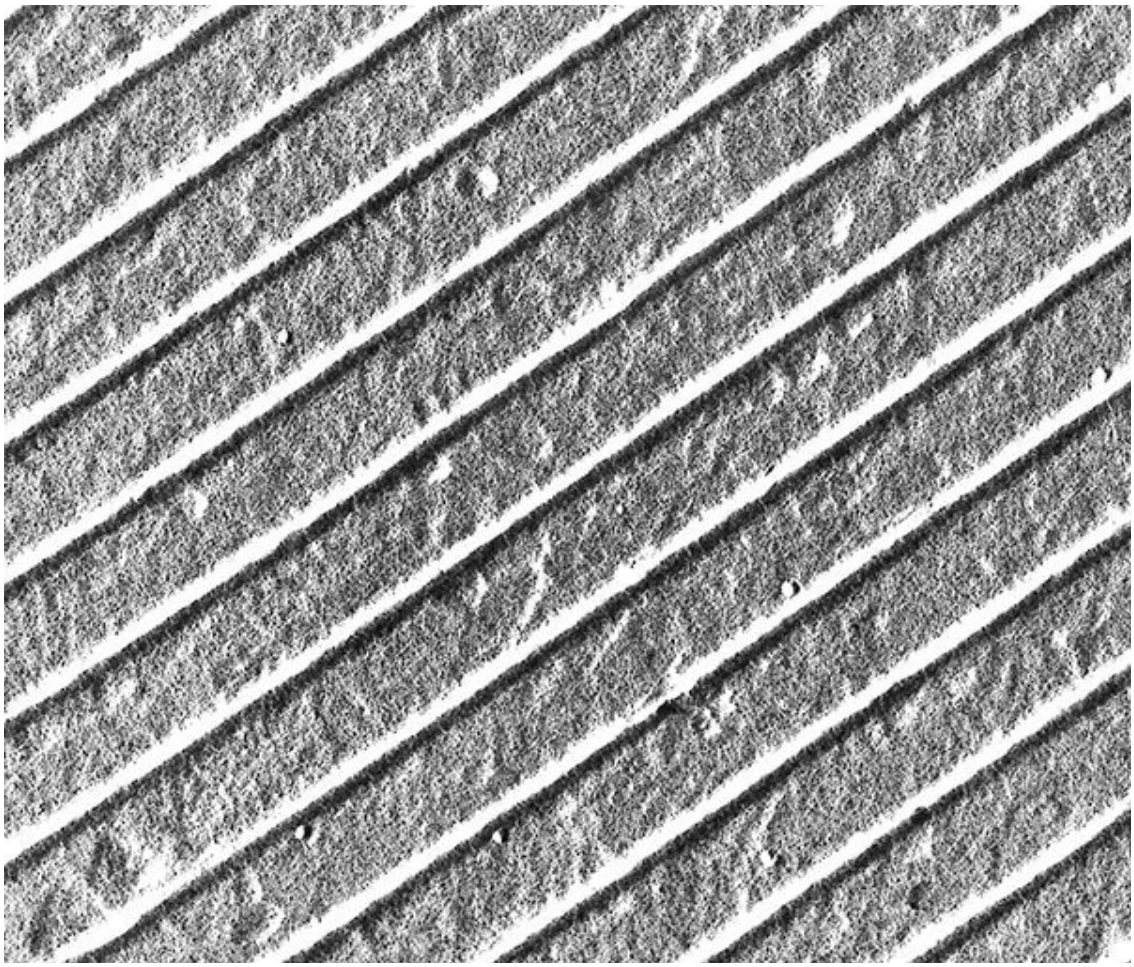
Calibration Specimens for TEM



- Specimens specifically designed for TEM calibration where quantification or high resolution results are required
- Highest possible preparation standards in production
- 100% inspection under an electron microscope
- Agar Scientific calibration specimens for TEM are recognised worldwide for their quality and reliability
- Prepared on standard 3.05mm copper grids

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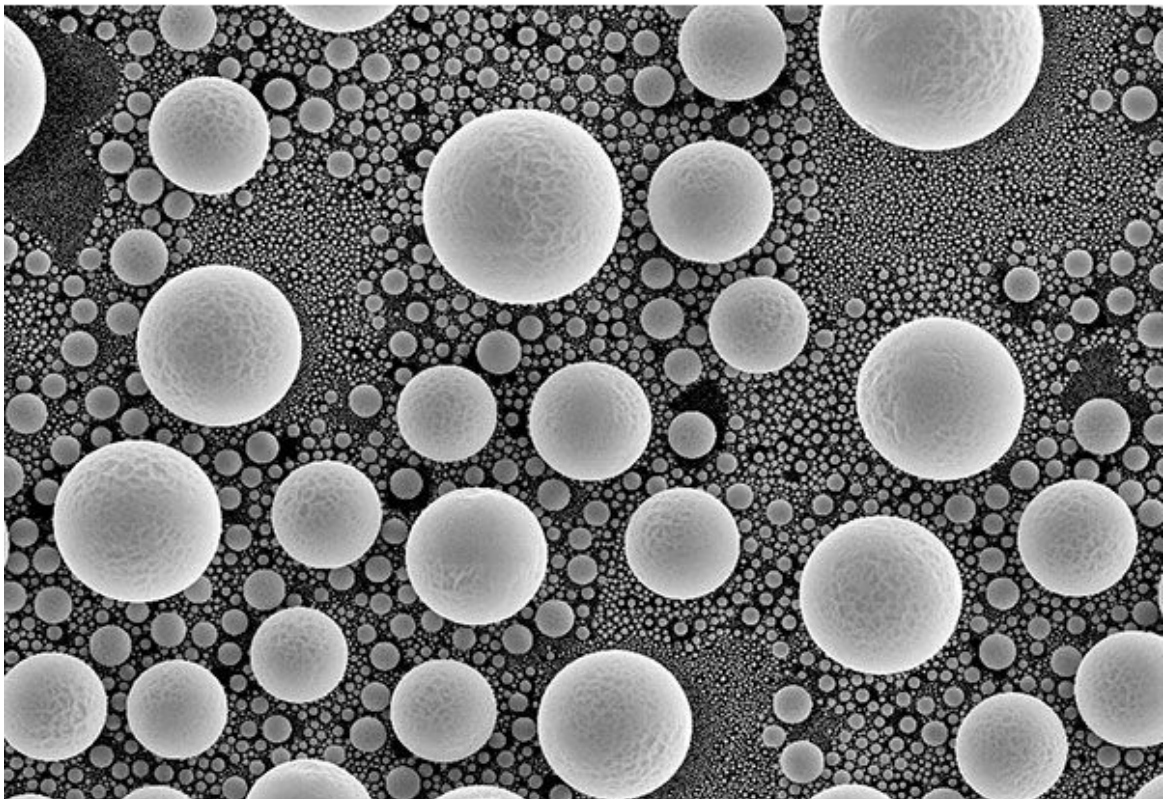
Calibration Specimens for SEM



- Specimens specifically designed for SEM calibration where quantification or high resolution results are required
- Highest possible preparation standards in production
- Certification options for silicon specimen (AGS1932)
- Inspection under an electron microscope
- Agar Scientific calibration specimens for SEM are recognised worldwide for their quality and repeatability
- Available un-mounted or mounted on a stub to suit your microscope

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SEM Specimen Stubs

- Stubs to suit all popular manufacturers including: LEO/CAMBRIDGE, FEI/PHILIPS, JEOL, HITACHI, ZEISS, TESCAN, CAMSCAN, AMRAY, ISI/ABT/TOPCON & FEI-ESEM
- Manufactured from free cutting aluminium
- Brass, copper and carbon also available
- Carbon adhesive discs, tabs, tapes and conductive adhesives for specimen mounting

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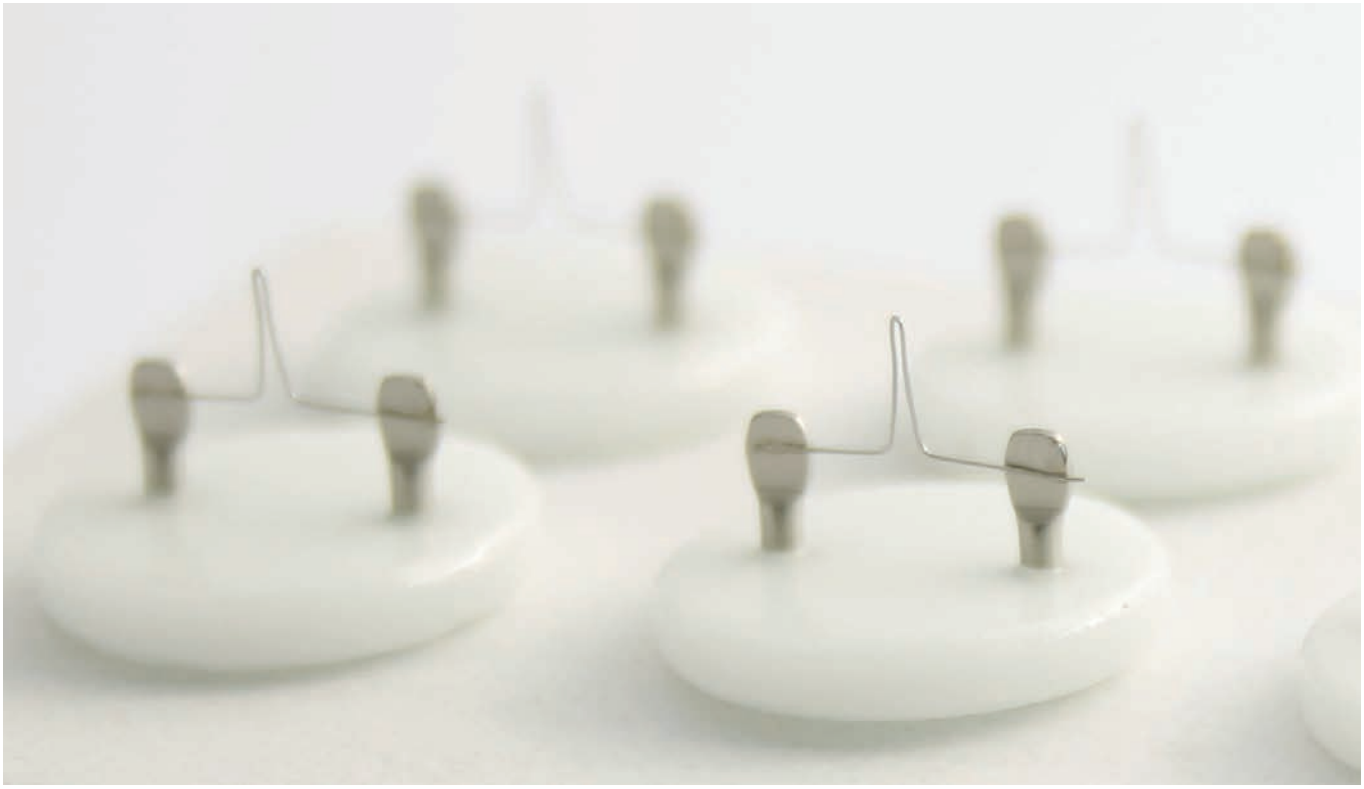
Tungsten Filaments for EM



- Manufactured in our own production labs to the highest standards
- Filaments for Cambridge/LEO/Zeiss, AEI, TESCAN, JEOL, ISI & Phillips/FEI/Thermo Fisher instruments
- Precision made to ensure maximum image quality and life expectancy
- Custom engineered jigs guarantee accuracy of every filament
- 100% preconditioned under vacuum and individually quality checked

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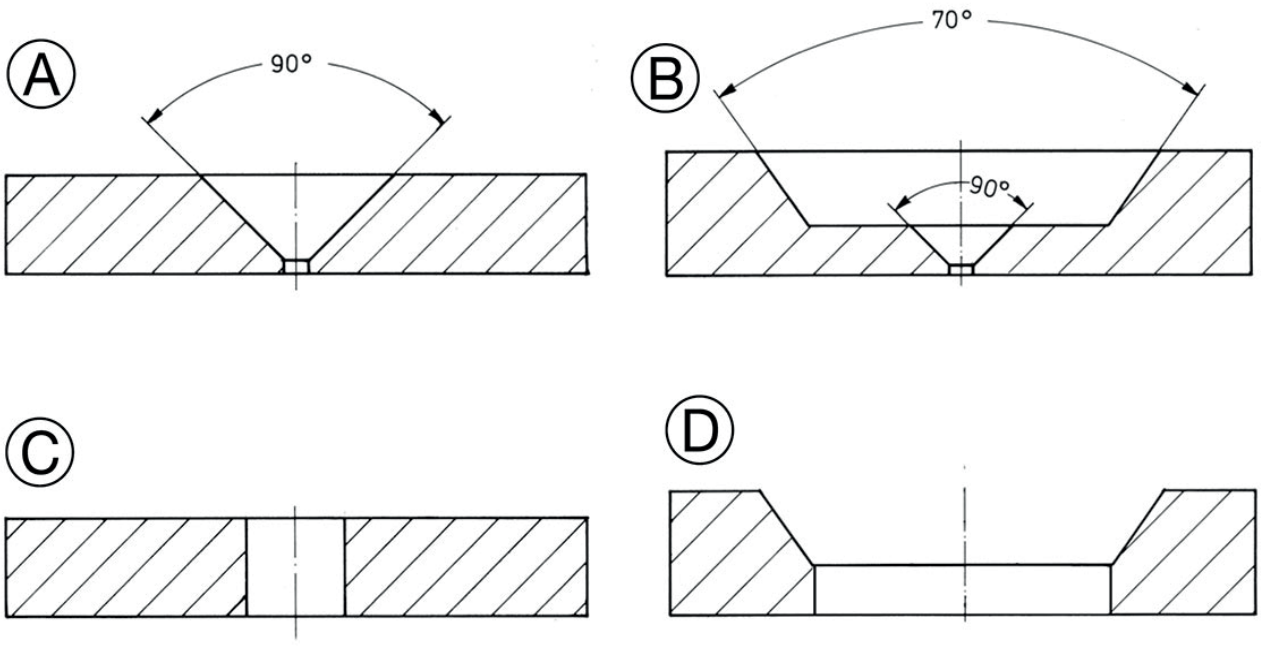
Disc & Thin Foil Apertures for EM



- Disc apertures made of Molybdenum, Platinum/Iridium & Tantalum
- Hole sizes down to 5µm dia.for Platinum/Iridium disc apertures
- Outer diameter from 1.85mm to 30mm for SEMs, TEMs, FIBs and lithography systems
- Thin foil apertures are available in 2mm and 3.,04mm dia. with 10µm to 200µm holes
- Replaceable apertures for the Wehnelt cylinder
- Electroformed Multi-hole Strip Apertures made of Gilded Copper

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- Individual or multi-element standards sets
- Standards suitable for energy dispersive or wavelength dispersive X-ray microanlysis systems
- Supplied with fully authenticated certificates of analysis and a location map for standard verification
- An optional Faraday cup for accurate specimen current measurements
- Polished to a ¼µm diamond finish and carbon coated
- Available in a variety of brass, aluminium and stainless steel holders

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Top Quality Tweezers for lab work

- Wide selection of tweezer styles
- Manufactured in Switzerland
- Very highest quality manfuacture from Agar Scientific and Dumont
- Biology grade - the thinnest tips, used for the most demanding laboratory and microscopic work
- Electronic grade - high quality for electronics and general-purpose use
- Available in a range of materials with differing mechanic, corrosion resistance and magnetic properties to best suit your application

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Storage Boxes & Containers

- SEM stub boxes
- TEM grid boxes
- LM slide boxes
- Specimen storage
- Large range of membrane boxes, tubes, vials, beakers, petri dishes and containers

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Cryo-EM Consumables

Agar Scientific has a wide range of preparation equipment for transferring, storing and manipulating cryo-specimens, including:

- Quantifoil support films
- Diamond knives & specimen preparation
- Liquid Nitrogen storage dewars
- Boxes, storage & handling equipment
- Embedding & freezing equipment
- LR Gold embedding resin - for lower temperature applications down to –20°C

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SEM Consumables Kits

- Dedicated kit for a range of SEMs
- Includes commonly used products at a discounted price
- All kit components are specified and can be ordered separately
- Available with and without filaments
- Available with and without hazardous products

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Polishing & Grinding Consumables

- Laboratory grade abrasive discs designed for wet or dry material sample preparation
- Diamond discs for rapid grinding of metallographic samples
- Diamond polishing compounds containing a a diamond powder free of any impurities, guaranteeing cutting power
- High performance monocrystalline and polycrystalline diamond abrasive suspensions
- Cold mounting resins for samples which do not withstand high pressure or high temperatures
- Hot mounting resins for use with a variety of materials and applications

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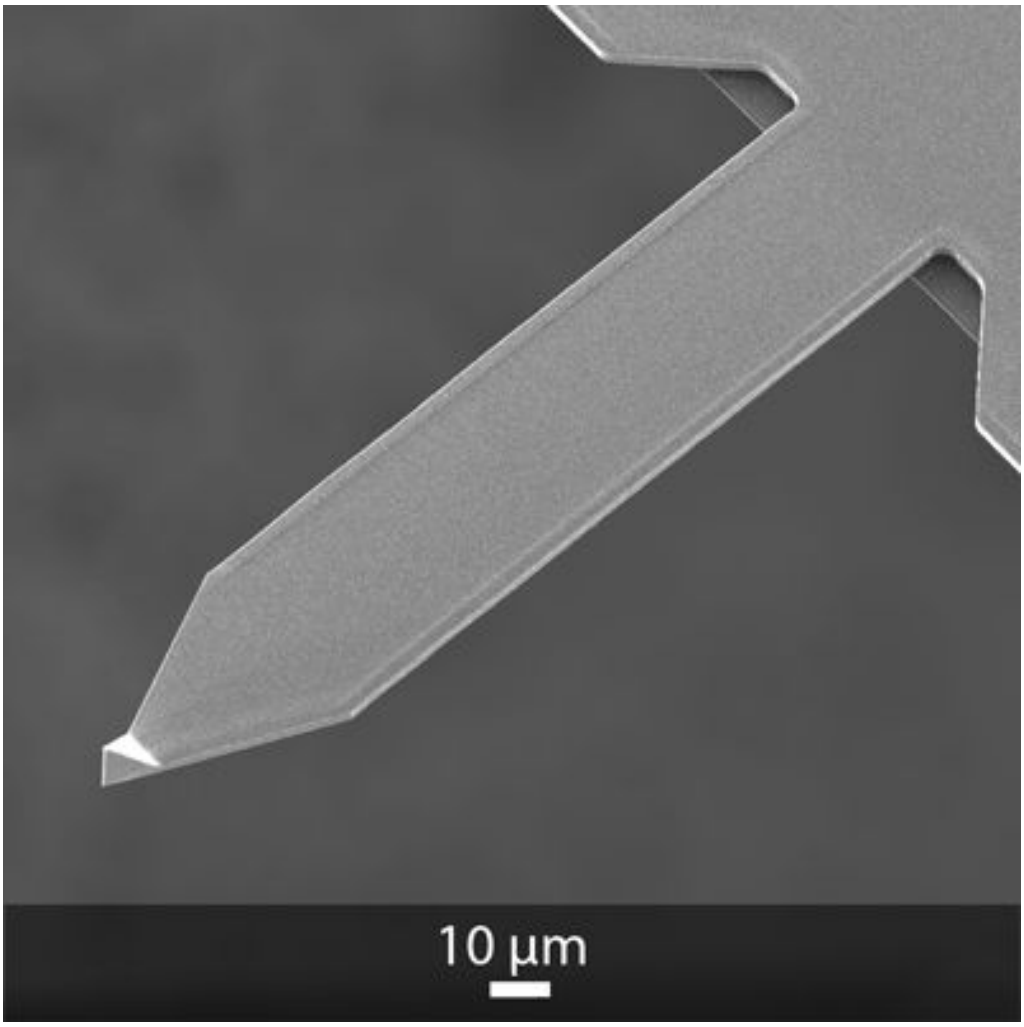
AFM Probes



- HQ Series – consistent tip shape & radius, cantilever stiffness & resonance frequency
- Opus Series – tip located exactly at the end of the cantilever allowing exact positioning of the tip apex over the sample surface
  Self-Sensing Cantilever – completely new applications in the fields of AFM, nanoprobing, torque-magnetometry and other sensing applications
- Silicone AFM – manufactured to the tightest dimensional tolerances available offering minimal variation in spring constant & resonant frequency

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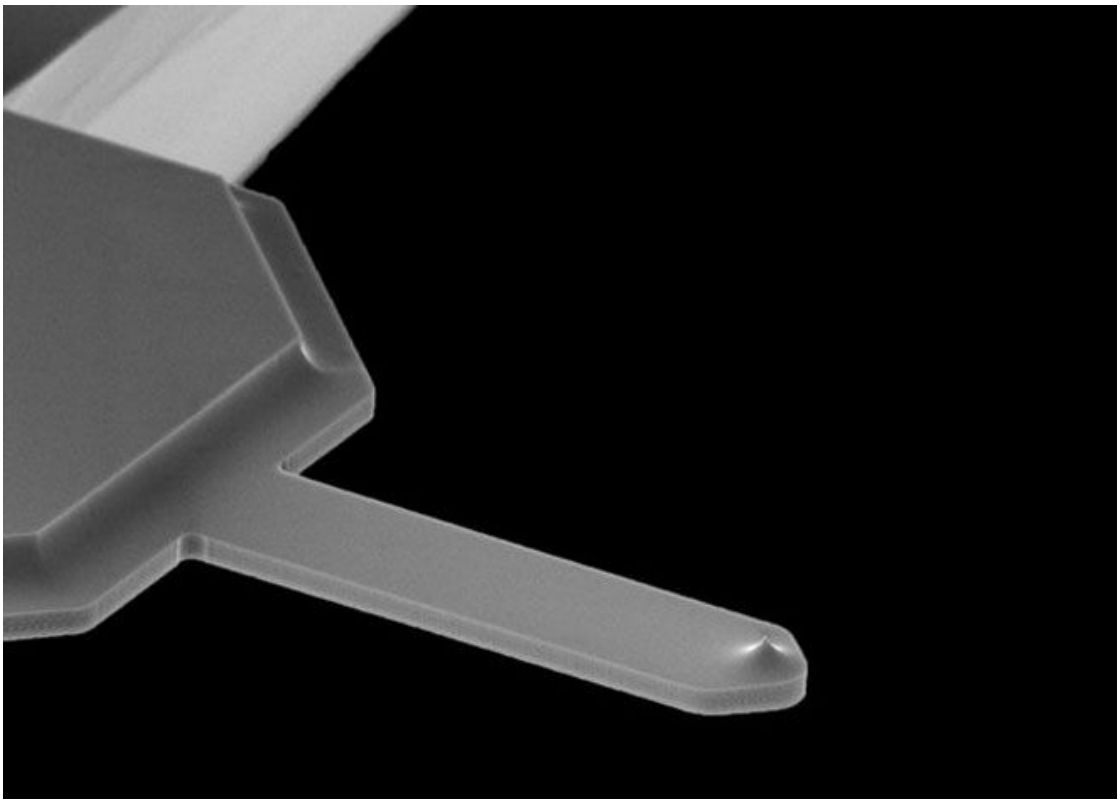
SCOUT & SPARK
High-Quality AFM Probes



- High-quality silicon AFM probes
- Manufactured to the tightest dimensional tolerances in the market
- Minimal variation in spring constant and resonant frequency
- SCOUT range: Available uncoated or with aluminium or gold reflective backside coating
- Designed for general purpose imaging in AC modes (non-contact, tapping, soft-tapping) in air
- SPARK range: Available with a platinum coating for nanoscale electrical characterisation

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