




JEOL NeoScope User Sample Preparation Kit

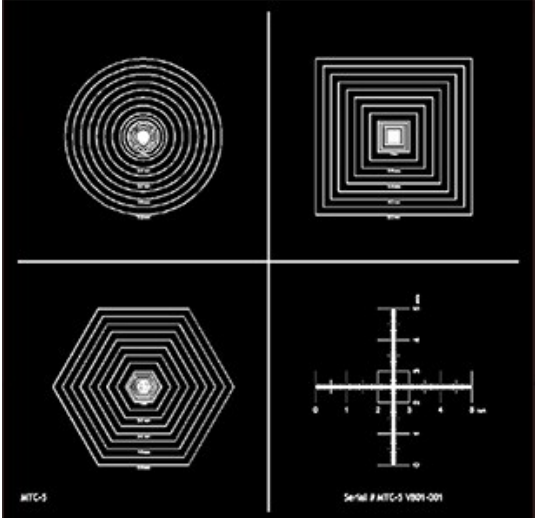
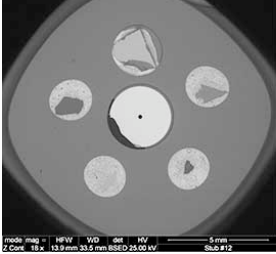
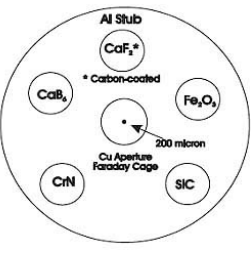
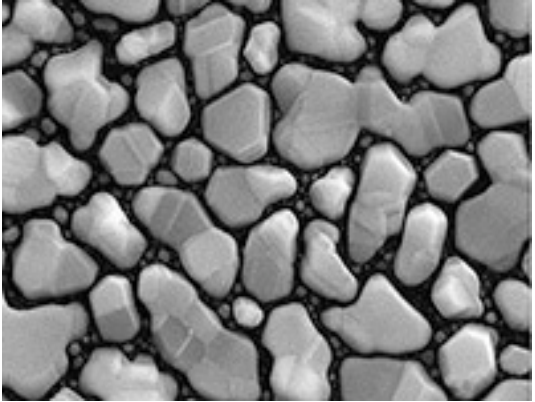
The Rave Scientific JEOL NeoScope user kit provides a flexible and easy way to purchase a comprehensive kit of the required basic sample preparation consumables and calibration standards. Standards are required for checking magnification, EDS and resolution in the electron microscope. All sample holders and standards are fully compatible with the JEOL NeoScope SEM. This kit also includes a set of 5 sample preparation tweezers, the JV 40 stage adapter, allowing any M4 designed sample holder to be compatible, 5 versatile sample holders, including the variable 0-90° angle tilt holder, valuable when there is no tilt option on your JEOL system. The kit is also configured to be compatible with both pin stubs and JEOL cylinder stubs.

Item	
JV 40 JEOL NeoScope Stage Adapter The EM-Tec JV40 stage adapter kit is fully compatible with the standard X/Y stage of the JEOL NeoScope JCM-6000plus, JCM-6000 and JCM-5000 table top SEMs. With the EM-Tec JV40 stage adapter, a vast range of sample holders can be used on the JEOL NeoScope, offering improved sample handling and access to the vast range of EM-Tec versatile sample holders. It consists three parts: 1) Stage adapter discs insert with female M6 thread 2) Brass stage adapter pillar (adjustable height) with male M6 thread and M4 screw on top 3) Aluminum M6 locking ring.	 A photograph of the JV 40 JEOL NeoScope Stage Adapter. It consists of a circular, silver-colored aluminum base disc. In the center of the disc is a brass pillar with a knurled section near the top. A small, gold-colored M4 screw is threaded into the top of the brass pillar. An aluminum M6 locking ring is also visible, partially encircling the base of the pillar.

Rave Scientific

8 Heller Park Lane Somerset, New Jersey 08873

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Item	
<p>Mag calibration sample</p> <p>The Micro-Tec MTC-5 bright field multiple target calibration standard comprises accurately deposited bright chromium lines on a conductive ultra-flat silicon substrate. The MTC-5 has been designed for calibrating reflective light microscopes, stereo microscopes, optical quality control systems and low magnification SEM imaging. The Micro-Tec MTC-5 incorporates four distinct patterns:</p>	
<p>EDS Calibration Standard</p> <p>The EM-Tec CXS-5LE calibration standard includes 5 reference materials and a 200µm aperture copper Faraday cup. All mounted in a compact Ø12.7mm standard aluminum pin stub. The copper Faraday cup and aluminum pin stub can serve as a Cu/Al reference for detector gain/zero calibration. Intended for: light element performance test and EDS detector setup; includes: B, C, N, O and F in stable compounds.</p>	  <p>Reference materials: CaB₆, SiC, CrN, Fe₂O₃ and CaF₂. 200µm copper Faraday cup.</p>
<p>Au Resolution Sample</p> <p>Used for general resolution testing and imaging performance. This Gold on carbon resolution test standard has larger gold particles on a carbon substrate. The gold particles size ranges from 30-300nm. The carbon substrate is 6mm diameter with 2mm height. The larger gold particles provide excellent SE signal whereas the dark carbon background separates the individual gold particles.</p>	

<p>12.7 mm Zeiss Stubs</p> <p>Package of 50</p>	
<p>12.0 x 10mm JEOL Cylinder Stubs</p> <p>Package of 50</p>	
<p>25 x 8mm JEOL stubs</p> <p>Package of 10</p>	

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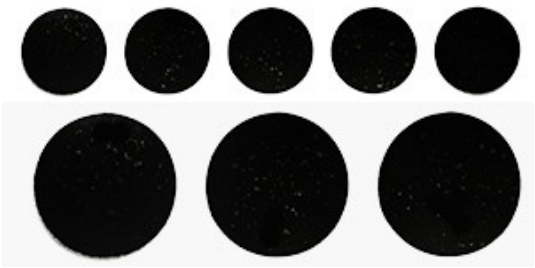

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<p style="text-align: center;">Sample Storage</p> <p>EM-Tec SC12 clear styrene storage box for 12x Ø9.5mm JEOL/Ø12.2mm JEOL or 12 pin stubs</p>	
<p style="text-align: center;">Conductive Carbon Cement</p> <p>EM-Tec C39 is a strong conductive carbon cement based on fine graphite flakes with an acrylic binder. EM-Tec C39 exhibits excellent bonding properties on a large variety of materials such as metals, plastics, ceramics, epoxies, rubber, glass, wood and textiles. Ideally suited for making grounding paths and to bond SEM samples on sample stubs.</p>	
<p style="text-align: center;">5 Value Tech Tweezers</p> <p>Value-Tec set of 5 general purpose tweezers for material manipulation-preparation includes style 3, 5, 5A, 7 and SS (slim long) non-magnetic stainless steel, Set/5</p>	

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<p>12mm & 25mm Carbon Tabs</p> <p>The high purity double sided conductive adhesive carbon tabs and tapes are especially developed for SEM / EDS applications.</p>	
<p>Copper Tape</p> <p>The tape is made with soft copper foil which is easily molded to follow the shape of the sample. Highly electrically conductive tape with conductive pressure sensitive acrylic adhesive. The resistance through adhesive is < 1 Ohm and this tape has a high initial tack to provide good conductivity. Available in the practical widths of 3, 6, 10, 12 and 20mm with a length of 30m.</p>	
<p>Hand Duster</p> <p>The Value-Tec DB2 fine tip air blower / hand duster ensures that dust is blown away and not sucked back in the bulb. The manually operated air blower is and economical and ecological alternative for pressurized duster cans.</p>	

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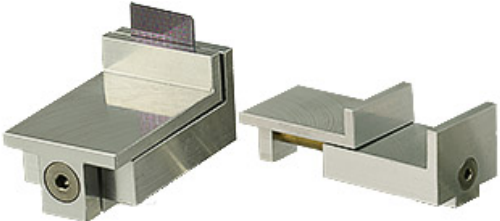


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<p><u>Multi Pin Stub Holder</u></p> <p>EM-Tec P4 multi pin stub holder for 4 pin stubs, Ø31.5x10.5mm, M4</p>	
<p><u>S-Clip 45/90 Sample Holder</u></p> <p>EM-Tec S-Clip sample holder with 2xS-Clips 45°/90° on Ø25 stub M4</p>	
<p><u>S-clip 3X Holder</u></p> <p>EM-Tec S-Clip sample holder with 3x S-Clips on Ø32x10mm stub, M4</p>	 <p>12-004930-1 12-004930-2 12-004930-3</p>

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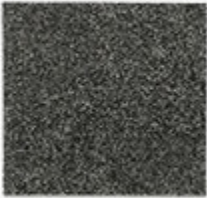
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<p><u>Compact Vise Holder</u></p> <p>EM-Tec V22 compact vise type sample holder for up to 22mm, M4, Neoscope</p>	
<p><u>Bulk Sample Holder</u></p> <p>EM-Tec R32 bulk sample holder for up to Ø32mm, aluminum, M4</p>	
<p><u>Variable Tilt Holders</u></p> <p>EM-Tec TV25 variable 0-90° angle tilt holder for stubs up Ø38mm, M4, Neoscope</p>	

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<p>12.7 mm Gripper Tweezers</p>	
<p>25.0 mm Cylinder Gripper Tweezers</p>	
<p>Polished Granite Sample Prep Tile</p>	

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