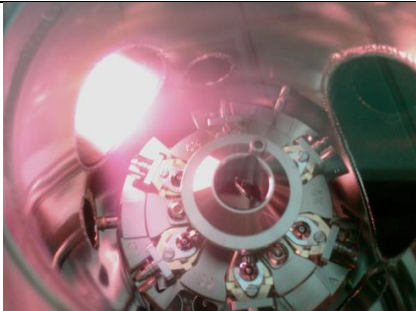
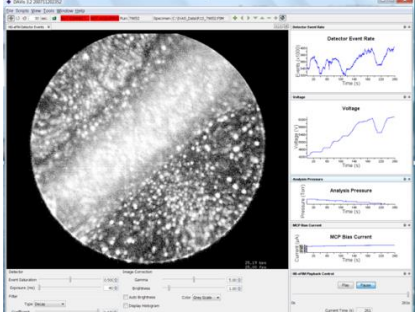
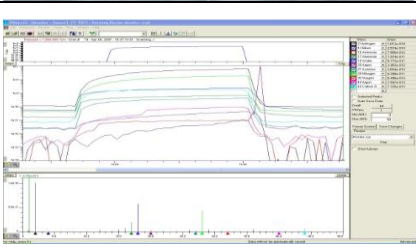
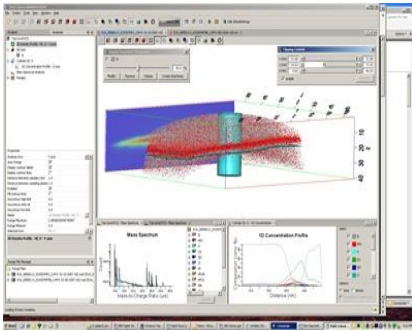

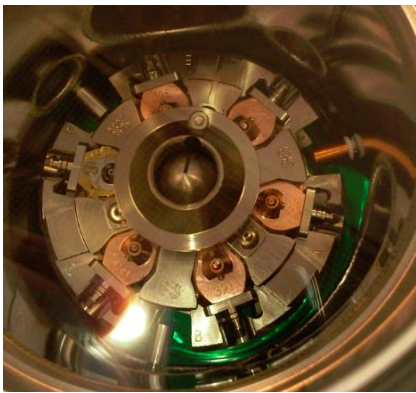

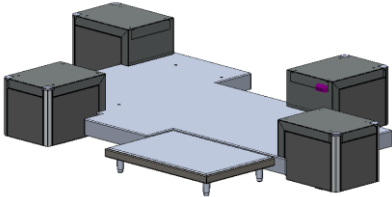
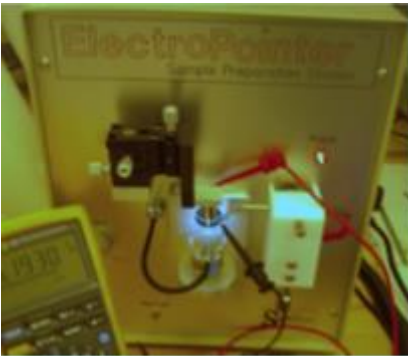






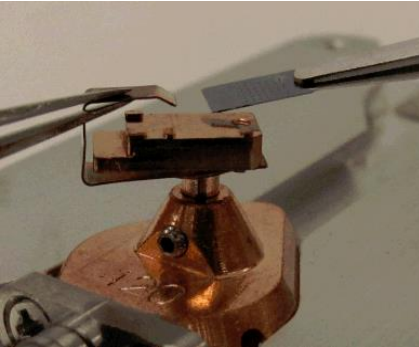
Part Description	Image	Part Number	Lead Time (ARO)
<p><b>Integrated Plasma Treatment System</b> Plasma treatment system attached to the LEAP<sup>®</sup> load lock provides surface contamination removal enabling faster pump down and enhanced Local Electrode<sup>™</sup> performance. The plasma treatment option offers both increased productivity and reduced cost of ownership for the LEAP system. The system can extend the operating life-time of local electrodes &gt; 2 times.</p>		24882	12 weeks
<p><b>HDeFIM (Optional on 4000X Si)</b> Up to three gasses can be mounted to the manifold allowing static or dynamic digitally recorded FIM. HDeFIM<sup>™</sup> can be saved and played back, to optimize integration parameters after the experiment is over. Voltage, pressure, detection rate and MCP condition are monitored and recorded and run conditions are automatically stored in the run database.</p>		22967	12 weeks
<p><b>Residual Gas Analyzer</b> RGA for partial pressure analysis in the analysis chamber. Measure partial pressures from <math>1 \times 10^{-4}</math> Torr to <math>5 \times 10^{-14}</math> Torr.</p>		21446	12 weeks

Part Description	Image	Part Number	Lead Time (ARO)
<p><b><u>IVAS Software:</u></b>  <b>IVAS Software 3.6.X license</b>  <b>IVAS License upgrade via dongle swap (*requires prior return of existing dongle)</b></p> <p><b>IVAS, Days of Use, min 10 days</b></p> <p><b>IVAS Manual (Printed)</b></p>		<p>23890 23898</p> <p>23897</p> <p>23004</p>	<p>2 weeks 4 weeks*</p> <p>2 weeks</p> <p>2 weeks</p>
<p><b><u>Training/Consulting Packages</u></b></p>			
<p><b><u>Standard Installation Training:</u></b>  <b>2 day LEAP Operations Basics</b>  <b>5 day APT Intro (Modules 1-5)</b>  <b>3 day Intermediate Follow-up Applications/Analysis</b></p> <p><b><u>Additional Training Packages:</u></b>  <b>2 day Intermediate Data Analysis (Mod 6)</b>  <b>2 day Intermediate Sample Prep (Mod 7)</b>  <b>5 day Advanced APT Training</b>  <b>5 day Advanced Specimen Prep/LEAP</b>  <b>5 day Advanced Data Analysis</b></p> <p><b>Custom support and training packages</b></p> <p><b>LEAP Manual (Printed Binder)</b></p>		<p>24502 23901 24503</p> <p>23902 23903 23904 23905 23906</p> <p>Custom</p> <p>23810</p>	<p>12 weeks</p>

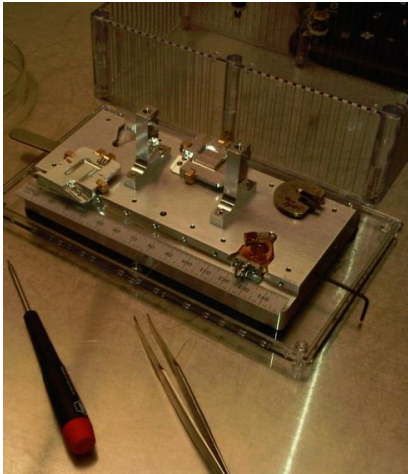
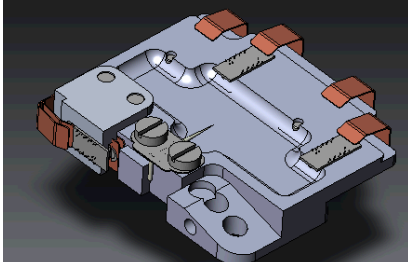
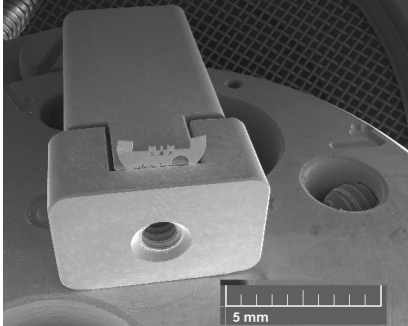
Part Description	Image	Part Number	Lead Time (ARO)
<p><b>Productivity Enhancement Package</b> Local electrode pump down time can be reduced to as little as 4 hours using the integrated heating system in the load lock. The special carousel can be heated up to 150C. The heater, and hardware and software update enables use of a 4<sup>th</sup> carousel in a LEAP system.</p> <p>The two features allow more flexible specimen staging, especially in a high-throughput multi-user environment. It is only available as an option with the plasma treatment system.</p>		23772	12 weeks
<p><b><u>IVAS Computers:</u></b></p> <p><u>IVAS™ Workstation (includes IVAS license)</u> Desktop workstation with license Mobile workstation with license</p> <p><u>Pre-configured with IVAS, no license</u> Desktop workstation - no license Mobile workstation - no license</p>		23900 23899  21645 23301	6 weeks


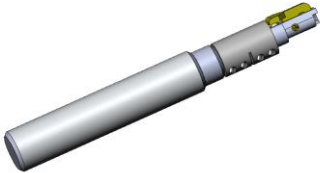



Part Description	Image	Part Number	Lead Time (ARO)
<p><b>Active Vibration Isolation Platform for LEAP 4000</b> Designed and offered to allow the LEAP to be installed in environments not meeting ISO TC-D vibration standards, this integrated solution combines active vibration cancellation together with an upgraded LEAP platform.</p> <p>Patented Piezoelectric Technology and tuned inertial damping cancels floor vibration in real time with active bandwidth starting at 0.6Hz, 50-70% isolation achieved at 1Hz and 90% at 2-2.5 Hz. Rigging and installation of vibration platform and loading of LEAP instrument onto the platform are not included in this offer and are the responsibility of the customer. Destination room/floor must meet manufacturer requirements for anti-vibration platform.</p>		24315	12 weeks
<p><b>Simplex ElectroPointer™ (V2)</b> The Electropointer system is designed to ease the production of high quality samples for analysis in the LEAP<sup>®</sup> microscope.</p> <p>The Electropointer consists of the electropolisher and control software, which allows setting parameters to optimally produce tips in a number of materials. The V2 include an automatic and a manual mode (push button). System does not include the required PC to operate.</p>		22403	12 weeks

Part Description	Image	Part Number	Lead Time (ARO)
<p><b>Manual Electropolish Station</b> The manual Electropolish Station is designed to allow maximum flexibility for producing a wide variety of samples under a high magnification binocular microscope. The included power supply, microscope, chemical handling, and accessories include everything you need to make high quality LEAP specimens (reagents not included)</p>	<p>Available in 2015</p>	24499	12 weeks
<p><b>Local electrode Test Flat Kit</b> One piece of polished refractory alloy ideal for performing electrode testing. Testing flat comes with a 18 position sample holder (PN 21385)</p>		23211	2 weeks
<p><b>Microtip™ Accessory Kit</b> All the tools you need to start a group using microtip coupons. Two presharpended microtip coupons for QA and thin film analysis, two flat topped coupons for FIB LO, a specially developed set of tweezers and a set of 5 spring clip microtip stubs.</p>		22056	4 weeks


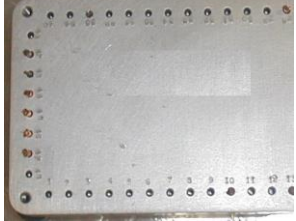

Part Description	Image	Part Number	Lead Time (ARO)
<p><b>Specimen Puck Assembly</b> Pre-cleaned and UHV wrapped to ensure vacuum system cleanliness. Accepts sample stubs 1mm to 2.1mm in diameter.</p>		20125	2 weeks
<p><b>Four Specimen Puck Assembly</b> Pre-cleaned and UHV wrapped to ensure vacuum system cleanliness. Accepts 4 sample stubs 1mm to 2.1mm in diameter. Enables higher throughput.</p>		23199	4 weeks
<p><b>Cu Spring Clip Microtip Stub</b> The copper alloy spring clip microtip stub (shown in a specimen puck - not included) is a self-aligning, re-useable, microtip stub which does not require epoxy but instead holds the microtip using a spring clip. The design provides convenient, reliable operation and enables additional processing (e.g. depositions) after the initial atom probe work has been completed. The new low profile design out of a non-magnetic alloy is ideal for use in low working distance FIB systems.</p>		23739	2 weeks



Part Description	Image	Part Number	Lead Time (ARO)
<p><b>Advanced Sample Prep kit (v3)</b> Contains: <b>Base:</b> An aluminum base that can hold up to 4 advance sample preparation jigs and up to 8 sample stubs and 2 pucks in a secure shipping container with integrated tweezers and Allen key storage. PN 23108 Contact CAMECA for more applications specific information.</p>		23110	4 weeks
<p><b>ARM3™:</b> Ships with two ARM3 stages with integrated Axial Rotation Manipulator™ arm that allows complex geometry, site specific sample preparation. (Can be purchased separately as PN 23213)</p>		23213	4 weeks
<p><b>FIB/LEAP TEM Grid Holder:</b> Allows for transferring TEM grid mounted samples between the LEAP and a FIB systems without extra handling. The design allows safe, one-handed, loading and unloading. (Can be purchased separately as PN 24242)</p>		24242	4 weeks

Part Description	Image	Part Number	Lead Time (ARO)
<p><b>Carousel Handling Tool</b> Used to insert and remove carousels from the load lock and to control the carousel during specimen puck insertion.</p>		20799	2 weeks
<p><b>Puck Handling Tool</b> Used to load and lock specimen pucks into carousel or storage location positions. The standard five inch model also comes with an twelve inch handle for use with radioactive specimens [PN 20900]</p>		24888	2 weeks
<p><b>Carousel Assembly</b> Pre-cleaned and vacuum system tested. Numbered and indexed contains positions for combinations of up to 6 specimen pucks and/or local electrode pucks.</p>		20099	4 weeks
<p><b>Local Electrode Shipping Assembly</b> Covered aluminum block protects up to 8 local electrodes or specimen pucks for shipping or short term storage.</p>		21400	2 weeks
<p><b>Specimen Holder Assy. (SEM and FIB)</b> Used to transfer up to 10 wire samples or 5 coupons directly on to the eucentric stage of a FIB or SEM tool for measurement and analysis.</p>		21380	2 weeks



Part Description	Image	Part Number	Lead Time (ARO)
<p><b>Specimen Shipping Assembly</b> Plastic cover protects up to 18 wire specimens for storage or shipping. May also be used to store or ship coupon samples.</p>		21385	2 weeks
<p><b>Specimen Holder Assembly</b> Plastic cover protects up to 48 wire specimens for storage or shipping. May also be used to store or ship coupon samples.</p>		21390	2 weeks
<p><b>FIM Gas Bottle</b> Gas bottles are pre-baked and filled with argon, neon, or helium. Gas bottles are filled to a pressure of 5 inches of water and are guaranteed to contain purity to 99.999%.</p>		21436	6 weeks Does not include installation.
<p><b>Accessories Packages:</b> <b>1<sup>st</sup> Year Metallurgical Package:</b> Provides a comprehensive package of consumables and accessories to supply a typical group concentrating on metallurgical sample analysis for approximately 1 year.  <b>1<sup>st</sup> Year FIB-Based Package:</b> Provides a comprehensive package of consumables and accessories to supply a typical group concentrating on FIB-based sample analysis for approximately 1 year.</p>		23809  23858	Ask your local sales person for details.