

### 3D Imaging and Measurement

Xradia, Inc. [www.xradia.com](http://www.xradia.com)  
 - MicroXCT™  
 - nanoXCT™

### Aberration Corrected S/TEM

JEOL USA [www.jeolusa.com](http://www.jeolusa.com)  
 - ARM200F

### Accessories (miscellaneous)

Bel-Art Products [www.belart.com](http://www.belart.com)  
 McCrone Microscopes & Accessories [www.mccronemicroscopes.com](http://www.mccronemicroscopes.com)

**MTI Instruments/Fullam** [www.mtiinstruments.com](http://www.mtiinstruments.com) p. 14  
 - Tensile/compression Testers

Spectronics Corporation [www.spectroline.com](http://www.spectroline.com)  
 - UVG-50goggles+UVF-80 faceshield

**XEI Scientific, Inc.** [www.evactron.com](http://www.evactron.com) p. 16

### Anti-vibration Devices

Minus K Technology, Inc. [www.minusk.com](http://www.minusk.com)  
 - BM-1 Bench Top Vibration Isolator  
 - BM-4 Bench Top Vibration Isolator  
 - BM-10 Bench Top Vibration Isolator  
 - MK26 Vibration Isolation Workstation  
 - WS-4 Vibration Isolation Workstation

### Apertures (EM)

**Electron Microscopy Sciences** **215-412-8400**  
**[www.emsdiasum.com](http://www.emsdiasum.com)**  
**See Company Profile** p. 4  
**See Our Products** p. 10

Ladd Research Industries [www.laddresearch.com](http://www.laddresearch.com)  
 - TEM/SEM/FIB Apertures

### Atomic Force Microscopes (AFMs)

A.P.E. Research SRL [www.aperesearch.com](http://www.aperesearch.com)  
 - AFM A100-SGS  
 Advanced Research Corporation [www.arcnano.com](http://www.arcnano.com)  
 - MFM tip coatings  
 Agilent Technologies [www.agilent.com/find/nano](http://www.agilent.com/find/nano)  
 - Agilent 5500 AFM  
 - Agilent 5420 AFM  
 - Agilent 5600LS AFM  
 - Agilent 6000ILM AFM (new)  
 AIST-NT [www.aist-nt.com](http://www.aist-nt.com)  
 - SmartSPM  
 - CombiScope

Asylum Research [www.asylumresearch.com](http://www.asylumresearch.com)  
 - MFP-3D™-BIO  
 - MFP-3D™ Stand Alone  
 - Cypher™  
 - MFP NanoIndenter

**Bruker Nano** [www.bruker-nano.com](http://www.bruker-nano.com) p. 10  
 - N8 NEOS

ION-TOF [www.iontof.com](http://www.iontof.com)  
 - PPMS-AFM

**Nanonics Imaging Ltd.** [www.nanonics.co.il](http://www.nanonics.co.il) p. 14  
 - The Hydra™

Nanosurf AG [www.nanosurf.com](http://www.nanosurf.com)  
 - easyScan 2 AFM  
 - easyScan 2 FlexAFM  
 - Nanite

Veeco Instruments, Inc. [www.veeco.com](http://www.veeco.com)  
 - Dimension Icon AFM  
 - Bioscope Catalyst AFM

### Backscattered Electron Detectors (EM)

Energy Beam Sciences, Inc. [www.ebsstore.com](http://www.ebsstore.com)  
 - Generation 5 Backscattered Electron Detector

### Beam Splitters

Chroma Technology Corp. [www.chroma.com](http://www.chroma.com)

Iridian Spectral Technologies [www.iridian.ca](http://www.iridian.ca)  
 - Beam Splitters

Photometrics [www.photometrics.com](http://www.photometrics.com)  
 - Photometrics DV2

### Benchtop Electron Microscopes

DELONG America [www.LV-EM.com](http://www.LV-EM.com)  
 - LVEM5 Benchtop TEM/SEM/STEM

### Biological Microscopes

Meiji Techno America [www.meijitechno.com](http://www.meijitechno.com)  
 - MT5000

### Books

McCrone Research Institute [www.mcri.org](http://www.mcri.org)  
 - Microscopy books, manuals, and texts

### Calibration

Geller MicroAnalytical [www.GellerMicro.com](http://www.GellerMicro.com)  
 Lab., Inc.  
 - Elemental standards -UHV-EL

### Calibration Standards

APPLIED IMAGE Inc. [www.appliedimage.com](http://www.appliedimage.com)  
 - APPLIED SM, IAM, Accu-Place standards

### Calibration Standards (continued)

Geller MicroAnalytical      www.GellerMicro.com  
Lab., Inc.  
- Magnification reference standards

**Ted Pella, Inc.**      **www.tedpella.com**      p. 16  
- MetroChip SEM Calibration Standard

### Camera/Digital Camera Systems

Advanced Microscopy      www.amtimaging.com  
Techniques Corp.

**JENOPTIK Optical**      **www.jenoptik.com/progres**      p. 13  
**Systems, Inc.**  
- ProgRes® microscope cameras

Lumenera Corporation      www.lumenera.com  
- Infinity USB 2.0 Digital Cameras

SIA (Scientific Instruments      www.sia-cam.com  
and Applications)

### Cameras, CCD

Advanced Microscopy      www.amtimaging.com  
Techniques Corp.

Hamamatsu Corporation      www.sales.hamamatsu.com  
- ORCA Series Scientific CCD Cameras

**JENOPTIK Optical**      **www.jenoptik.com/progres**      p. 13  
**Systems, Inc.**  
- ProgRes® CCD cameras

Lumenera Corporation      www.lumenera.com  
- Infinity2

Photometrics      www.photometrics.com  
- Evolve  
- CoolSnap HQ<sup>2</sup>  
- CoolSnap EZ  
- QuantEM:512SC

QImaging      www.qimaging.com  
- Exi Aqua  
- Exi Blue  
- QIClick  
- QICAM Fast  
- Retiga 2000R

### Cameras, CMOS

Advanced Microscopy      www.amtimaging.com  
Techniques Corp.

Hamamatsu Corporation      www.sales.hamamatsu.com  
- ORCA Flash 2.8 Scientific CMOS cameras

AXIOM OPTICS      www.axiomoptics.com  
- HICAM HighSpeed Intensified Camera

Lumenera Corporation      www.lumenera.com  
- Infinity1

**JENOPTIK Optical**      **www.jenoptik.com/progres**      p. 13  
**Systems, Inc.**  
- ProgRes® CMOS cameras

### Centrifuges

PRO Scientific      www.proscientific.com

### Chemicals

Ladd Research Industries      www.laddresearch.com  
- Fixatives  
- Stains etc for EM  
- Light Microscopy

### Clean Room Accessories

HEMCO Corporation      www.hemcoCorp.com

### Coating Custom

Bel-Art Products      www.belart.com

### Coating Supplies (baskets, targets)

**Ted Pella, Inc.**      **www.tedpella.com**      p. 16  
- Evaporation Filaments, Boats  
and baskets

### Coating Systems

Denton Vacuum, LLC      www.dantonvacuum.com  
- Desk Top Pro

Energy Beam Sciences, Inc.      www.ebsstore.com  
- Q150T Series Turbo Sputter Coaters

### Coating Thickness Gauge

Kett US      www.kett.com  
- LZ370

### Colloidal Gold

**Electron Microscopy**      **215-412-8400**  
**Sciences**      **www.emsdiasum.com**  
**See Company Profile**      p. 4  
**See Our Products**      p. 10

### Confocal Microscopes

Harrick Scientific      www.harricksci.com  
Products, Inc.  
- TDIS Rheometer Accessory

**Leica Microsystems**      **www.leica-microsystems.com**      p. 14  
- Leica TCS STED CW  
- Leica TCS SP5 II  
- Leica TCS SPE

**Olympus America, Inc.**      **www.olympusamerica.com**      p. 14  
- LEXT OLS4000®

### Confocal Microscopes (continued)

**Olympus America, Inc.** 800-446-5967  
www.olympusamerica.com

**Olympus Soft Imaging Solutions** +49 251 798 00 0  
www.soft-imaging.net

**See Company Profile** p. 7  
**See Our Products** p. 14

**CrEST srl** www.crestopt.com p. 10

### Consulting

Alliance Technologies www.alliancetechnology.com

Particle Technology Labs www.particletechlabs.com

PolyInsight LLC www.polyinsight.com  
- Microscopy Services

### Contract Research

Alliance Technologies www.alliancetechnology.com

McCrone Associates www.mccroneassociates.com

ChemImage Corporation www.chemimage.com  
- Chemical Imaging Contract Services

PolyInsight LLC www.polyinsight.com  
- Microscopy Services

### Controllers (SPM)

Specs Surface Nano www.specs.com  
Analysis GmbH  
- Nanonis control systems

### Correlative Microscopy

JEOL USA www.jeolusa.com  
- ClairScope/JASM-6200

### Courses/Workshops

College of Microscopy www.collegeofmicroscopy.com

**Lehigh Microscopy School** www.lehigh.edu/microscopy p. 13  
- Introduction to SEM and EDS for the New Operator  
- Scanning Electron Microscopy and X-ray Microanalysis  
- Scanning Probe Microscopy: From Fundamentals to Advanced Application  
- Scanning Transmission Electron Microscopy: From Fundamentals to Advanced Applications  
- Focused Ion Beam (FIB) Instrumentation and Applications  
- Problem Solving with SEM  
- X-ray Microanalysis  
- Electron Backscatter Patterns  
- Quantitative X-ray Microanalysis: Problem Solving Using EDS and WDS Techniques

McCrone Research Institute www.mcri.org  
- Polarized light  
- FTIR  
- SEM  
- Particle Handling Courses

### Critical Point Dryers

**Electron Microscopy Sciences** 215-412-8400  
www.emsdiasum.com

**See Company Profile** p. 4  
**See Our Products** p. 10

Energy Beam Sciences, Inc. www.ebsstore.com  
- E3000/E3100 CPD Series

### Cryostats

Janis Research Co. www.janis.com  
- ST-500 Microscopy Cryostat  
- ST-500-UC Ultra Compact Microscopy Cryostat  
- CCS-100-XG-M Cryocooler for microscopy

### Cryotransfer Equipment (EM)

Energy Beam Sciences, Inc. www.ebsstore.com  
- PP2000(T) Cryo-SEM

### Crystallographic Mapping

**Bruker Nano** www.bruker-nano.com p. 10  
- QUANTAX CrystAlign

### Desiccators

Geller MicroAnalytical www.GellerMicro.com  
Lab., Inc.  
- VUS-J vacuum desiccators

### Detectors

**Bruker Nano** www.bruker-nano.com p. 10  
- QUANTAX  
- QUANTAX CrystAlign

e2v Scientific Instruments www.e2vsi.com  
- SiriusSD Silicon Drift Detector

**EDAX Inc.** 800-535-edax  
www.edax.com

**See Company Profile** p. 3  
- Apollo X Silicon Drift Detector  
- Apollo XL Silicon Drift Detector  
- Hikari EBSD Detector  
- DigiView IV EBSD Detector

Hamamatsu Corporation www.sales.hamamatsu.com  
- Photomultiplier tubes

### Detectors (continued)

SII Nanotechnology USA, Inc. [www.siintusa.com](http://www.siintusa.com)  
 - Detectors  
 - Silicon Drift Detectors  
 - 4 Element Detectors  
 - X-ray Detectors

### Devices

Bel-Art Products [www.belart.com](http://www.belart.com)  
 - Anti-Vibration

### Diamond Knives

Delaware Diamond Knives [www.ddk.com](http://www.ddk.com)  
 - Diamond Knives, Histo Knives

**Diatome U.S.** **215-412-8400**  
**[www.emsdiasum.com](http://www.emsdiasum.com)**

**See Company Profile** p. 2  
**See Our Products** p. 10

Micro Star Technologies [www.microstartech.com](http://www.microstartech.com)

### Diamond Wire Saws

Delaware Diamond Knives [www.ddk.com](http://www.ddk.com)  
 - Diamond Wire Saw

South Bay Technology, Inc. [www.southbaytech.com](http://www.southbaytech.com)  
 - Diamond Wire Saw

Well Diamond Wire Saws, Inc. [www.welldiamondwiresaws.com](http://www.welldiamondwiresaws.com)  
 - Saws Diamond Wire

### Digital Microscopes

**CrEST srl** **[www.crestopt.com](http://www.crestopt.com)** p. 10

Keyence Corporation [www.keyence.com](http://www.keyence.com)  
 - VHX-1000 Digital Microscope  
 - VHX-500F Digital Microscope

LECO Corporation [www.leco.com](http://www.leco.com)

### Dual Beam FIB/SEM

**Hitachi** **[www.hitachi-hta.com](http://www.hitachi-hta.com)** p. 12  
 - NB5000

Nanonics Imaging Ltd. [www.nanonics.co.il](http://www.nanonics.co.il)  
 - The Nanonics MultiView AFM-Raman Systems

Tescan USA Inc. [www.tescan.com](http://www.tescan.com)  
 - VELA-3  
 - LYRA-3

### E-Beam Lithography

**SEMTECH Solutions, Inc.** **978-663-9822 (235)**  
**[www.semtechsolutions.com](http://www.semtechsolutions.com)**

**See Company Profile** p. 8  
 - Electron Beam Lithography Systems  
 - Add-ons for SEMs

**Tescan USA Inc.** **[www.tescan.com](http://www.tescan.com)** p. 16  
 - DrawBeam

### EDS Detector Repairs/Upgrades

**4pi Analysis, Inc.** **[www.4pi.com](http://www.4pi.com)** p. 10

e2v Scientific Instruments [www.e2vsi.com](http://www.e2vsi.com)  
 - Si(Li) EDS Detector Repairs

MAX Detector Repair [www.maxdetector.com](http://www.maxdetector.com)  
 Group LLC  
 - Liquid Nitrogen X-Ray Detector Repair+Service

### Electron Backscatter Diffraction (EBSD)

**Bruker Nano** **[www.bruker-nano.com](http://www.bruker-nano.com)** p. 10  
 - QUANTAX CrystAlign

**EDAX Inc.** **800-535-edax**  
**[www.edax.com](http://www.edax.com)**

**See Company Profile** p. 3  
 - OIM™ Analysis System  
 - Hikari Detector  
 - DigiView IV Detector

**Oxford Instruments** **[www.oxford-instruments.com](http://www.oxford-instruments.com)** p. 15  
**NanoAnalysis**  
 - HKL Nordlys Detectors

### Electron Beam Microjoining Machine

Seron Technologies Inc. [www.serontech.co.kr](http://www.serontech.co.kr)  
 - AIW 100

### Electron Microprobe Automation

Advanced MicroBeam, Inc. [www.advancedmicrobeam.com](http://www.advancedmicrobeam.com)  
 Geller MicroAnalytical Lab., [www.GellerMicro.com](http://www.GellerMicro.com)  
 Inc.  
 - dQant electron probe automation system

### Electron Microprobe Service

Advanced MicroBeam, Inc. [www.advancedmicrobeam.com](http://www.advancedmicrobeam.com)

### Electron Microprobes (EPMAs)

Advanced MicroBeam, Inc. [www.advancedmicrobeam.com](http://www.advancedmicrobeam.com)

### Electron Multiplying CCD (EMCCD)

Hamamatsu Corporation      [www.sales.hamamatsu.com](http://www.sales.hamamatsu.com)  
- ImagEM series EMCCD Cameras

### Elements and Compounds (fine chemicals)

Kurt J. Lesker Co.      [www.lesker.com](http://www.lesker.com)  
- Sputtering materials & targets

### Embedding Materials

**Electron Microscopy Sciences**      **215-412-8400**  
**[www.emsdiasum.com](http://www.emsdiasum.com)**  
**See Company Profile**      p. 4  
**See Our Products**      p. 10

**Tousimis Research Corporation**      **[www.tousimis.com](http://www.tousimis.com)**      p. 16  
- TEM Embedding Resins

### Energy-Dispersive X-ray Spectrometry (EDS)

**4pi Analysis, Inc.**      **[www.4pi.com](http://www.4pi.com)**      p. 10

**Bruker Nano**      **[www.bruker-nano.com](http://www.bruker-nano.com)**      p. 10  
- QUANTAX

e2v Scientific Instruments      [www.e2vsi.com](http://www.e2vsi.com)  
- SDD and Si(Li) EDS Detectors  
- DXPs

**EDAX Inc.**      **800-535-edax**  
**[www.edax.com](http://www.edax.com)**  
**See Company Profile**      p. 3  
- TEAM™ Analysis System  
- Genesis Analysis System  
- Apollo X Silicon Drift Detector  
- Apollo XL Silicon Drift Detector

**Evex Inc.**      **609-252-9192**  
**[www.evex.com](http://www.evex.com)**  
**See Company Profile**      p. 5

**Oxford Instruments NanoAnalysis**      **[www.oxford-instruments.com](http://www.oxford-instruments.com)**      p. 15  
- X-Max  
- INCA Energy

### Environmental Chambers

**Electron Microscopy Sciences**      **215-412-8400**  
**[www.emsdiasum.com](http://www.emsdiasum.com)**  
**See Company Profile**      p. 4  
**See Our Products**      p. 10

### Failure Analysis

Advanced Research Corporation      [www.arcnano.com](http://www.arcnano.com)  
- Analytical Services

**Gatan, Inc.**      **[www.gatan.com](http://www.gatan.com)**      p. 11  
- Gatan Centar Frontier

McCrone Associates      [www.mccroneassociates.com](http://www.mccroneassociates.com)  
PolyInsight LLC      [www.polyinsight.com](http://www.polyinsight.com)  
- Microscopy Services

### FIB Accessories

Advanced Research Corporation      [www.arcnano.com](http://www.arcnano.com)  
- FIB Apertures Custom OEM

**Nanonics Imaging Ltd.**      **[www.nanonics.co.il](http://www.nanonics.co.il)**      p. 14  
- SPM NSOM Integrated with FIB

Omniprobe, Inc.      [www.omniprobe.com](http://www.omniprobe.com)  
- AutoProbe®

**Ted Pella, Inc.**      **[www.tedpella.com](http://www.tedpella.com)**      p. 16  
- FIB Grids  
- Needles  
- Holders

### Fiber Optic Illuminators

**X-Cite by EXFO**      **[www.exfo-xcite.com](http://www.exfo-xcite.com)**      p. 16  
- X-Cite exacte  
- Liquid Light Guides

**Sutter Instrument**      **[www.sutter.com](http://www.sutter.com)**      p. 15

### Field Emission SEMs (FESEMs)

**Tescan USA Inc.**      **[www.tescan.com](http://www.tescan.com)**      p. 16  
- MIRA-3

### Filaments and Filament Rebuilding

**Electron Microscopy Sciences**      **215-412-8400**  
**[www.emsdiasum.com](http://www.emsdiasum.com)**  
**See Company Profile**      p. 4  
**See Our Products**      p. 10

M.E. Taylor Engineering, Inc.      [www.semsupplies.com](http://www.semsupplies.com)  
- Filaments

**Ted Pella, Inc.**      **[www.tedpella.com](http://www.tedpella.com)**      p. 16  
- Tungsten  
- LaB<sub>6</sub> and Field Emission EM Filaments

### Filters

Applied Scientific Instrumentation (ASI)      [www.ASIimaging.com](http://www.ASIimaging.com)  
- FW-1000 series Filterwheels

### Filter Switching

**Sutter Instrument** [www.sutter.com](http://www.sutter.com) p. 15  
- Lambda 10-3

### Fixatives and Chemicals

SPI Supplies [www.2spi.com](http://www.2spi.com)  
- SPI-Chem

**Tousimis Research Corporation** [www.tousimis.com](http://www.tousimis.com) p. 16  
- Ultrapure Chemicals

### Fluorescence Analysis

Spectronics Corporation [www.spectroline.com](http://www.spectroline.com)  
- CM-10MP mini UV viewing workstation

### Fluorescence Microscopy

AXIOM OPTICS [www.axiomoptics.com](http://www.axiomoptics.com)  
- LIFA Frequency Domain FLIM

Chroma Technology Corp. [www.chroma.com](http://www.chroma.com)

**CrEST srl** [www.crestopt.com](http://www.crestopt.com) p. 10

**X-Cite by EXFO** [www.exfo-xcite.com](http://www.exfo-xcite.com) p. 16  
- X-Cite exacte

Keyence Corporation [www.keyence.com](http://www.keyence.com)  
- BZ-9000 All-in-one Fluorescence Microscope

Lambert Instruments [www.lambert-instruments.com](http://www.lambert-instruments.com)  
- LIFA:Lambert Instruments FLIM attachment

Lumenera Corporation [www.lumenera.com](http://www.lumenera.com)  
- Infinity 3-10

**Media Cybernetics** [www.mediacy.com](http://www.mediacy.com) p. 14

MICROS Produktions- und Handels GmbH [www.micros.at](http://www.micros.at)  
- Lily MCX500

Navitar, Inc. [www.navitar.com](http://www.navitar.com)  
- 2FL Video Fluorescence Scope

Renishaw, Inc. [www.renishaw.com](http://www.renishaw.com)  
- Raman Microscope System

Special Optics [www.specialoptics.com](http://www.specialoptics.com)  
- Custom Lenses

**Sutter Instrument** [www.sutter.com](http://www.sutter.com) p. 15

**Ted Pella, Inc.** [www.tedpella.com](http://www.tedpella.com) p. 16  
- The PELCO BioWave Pro Microwave Tissue Processor

### Focused Ion Beam Systems

Carl Zeiss SMT Inc. [www.zeiss.com/nts](http://www.zeiss.com/nts)  
- AURIGA® FIB-SEM

JEOL USA [www.jeolusa.com](http://www.jeolusa.com)  
- MultiBeam:JIB-4500/4600F

### Forensic Testing Supplies

Spectronics Corporation [www.spectroline.com](http://www.spectroline.com)  
- OFK-7000 Optimax™ Multi-Lite™ LED Forensic Light Source Kit

### Forster Resonance Energy Transfer (FRET) Microscopy

Lambert Instruments [www.lambert-instruments.com](http://www.lambert-instruments.com)  
- II18MDS:Component for FLIM systems

### Freeze Drying Equipment

McCrone Microscopes & Accessories [www.mccronemicroscopes.com](http://www.mccronemicroscopes.com)

### Friction Analyzer

Kett US [www.kett.com](http://www.kett.com)  
- H94ai

### FT-IR Microscopy

Alliance Technologies [www.alliancetechgroup.com](http://www.alliancetechgroup.com)

Renishaw, Inc. [www.renishaw.com](http://www.renishaw.com)  
- Raman Microscope System

### Gas Injection Systems

Omniprobe, Inc. [www.omniprobe.com](http://www.omniprobe.com)  
- OmniGIS®

### Grids (EM)

Dune Sciences, Inc. [www.dunesciences.com](http://www.dunesciences.com)  
- SMART GRIDS - Nanogrids™  
- SMART GRIDS - Biogrids™

**Electron Microscopy Sciences** **215-412-8400**  
**[www.emsdiasum.com](http://www.emsdiasum.com)**

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**See Our Products** p. 10

### Heating Stages

ibidi, LLC [www.ibidi.com](http://www.ibidi.com)  
- Heated Stage- 96 Well Format

### Helium Ion Microscope

Carl Zeiss SMT Inc. [www.zeiss.com/nts](http://www.zeiss.com/nts)  
- ORION®

### High Pressure Freezing

**Leica Microsystems** [www.leica-microsystems.com](http://www.leica-microsystems.com) p. 14  
- Leica EM PACT2  
- Leica HPM



### Histology Supplies

Globe Scientific Inc. [www.globescientific.com](http://www.globescientific.com)  
- Slides

### Illuminators (LOM)

**CoolLED Ltd.** [www.cooled.com](http://www.cooled.com) p. 10  
- pE-series LED illumination products

PRO Scientific [www.proscientific.com](http://www.proscientific.com)

**Sutter Instrument** [www.sutter.com](http://www.sutter.com) p. 15  
- Lambda XL

**X-Cite by EXFO** [www.exfo-xcite.com](http://www.exfo-xcite.com) p. 16  
- X-Cite exacte  
- X-Cite 120 Series

### Image Analysis

Amerinex Applied Imaging [www.amerinximaging.com](http://www.amerinximaging.com)  
- Aphelion

Buehler [www.buehler.com](http://www.buehler.com)  
- OmniMet Digital Imaging Software

**JENOPTIK Optical Systems, Inc.** [www.jenoptik.com/progres](http://www.jenoptik.com/progres) p. 13  
- ProgRes® microscope cameras  
- CapturePro Software

**Olympus America, Inc.** [www.olympusamerica.com](http://www.olympusamerica.com) p. 14  
- CellSens™ Software  
- Stream Software

**Olympus America, Inc.** 800-446-5967  
[www.olympusamerica.com](http://www.olympusamerica.com)  
**Olympus Soft Imaging Solutions** +49 251 798 00 0  
[www.soft-imaging.net](http://www.soft-imaging.net)  
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Particle Technology Labs [www.particletechlabs.com](http://www.particletechlabs.com)

**Ted Pella, Inc.** [www.tedpella.com](http://www.tedpella.com) p. 16  
- The PELCO BioWave Pro Microwave Tissue Processor

### Image Analysis Software

**Media Cybernetics** [www.mediacy.com](http://www.mediacy.com) p. 14  
- Image-Pro Plus Software

**Olympus America, Inc.** 800-446-5967  
[www.olympusamerica.com](http://www.olympusamerica.com)  
**Olympus Soft Imaging Solutions** +49 251 798 00 0  
[www.soft-imaging.net](http://www.soft-imaging.net)  
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### Image Analyzers

Fluid Imaging Technologies, Inc. [www.fluidimaging.com](http://www.fluidimaging.com)  
- Benchtop Flowcam®  
- Submersible Flowcam®  
- PETROCAM®  
- Portable Flowcam®

### Image Processing

Amerinex Applied Imaging [www.amerinximaging.com](http://www.amerinximaging.com)  
- Aphelion

AXIOM OPTICS [www.axiomoptics.com](http://www.axiomoptics.com)  
- Adaptive Optics Kit Bio

HREM Research Inc. [www.hremresearch.com](http://www.hremresearch.com)  
- Deconvolution (DeConvEELS/DeConvHAADF)  
- Software Cs-correction (FTSR/IWFR)  
- Strain Analysis (GPA/PPA)

**JENOPTIK Optical Systems, Inc.** [www.jenoptik.com/progres](http://www.jenoptik.com/progres) p. 13  
- ProgRes® microscope cameras  
- CapturePro Software

Lumenera Corporation [www.lumenera.com](http://www.lumenera.com)  
- Infinity Analyze

### Image Processing Software

**Media Cybernetics** [www.mediacy.com](http://www.mediacy.com) p. 14  
- AutoQuant Software

### Incubators for Live Cell Imaging

ibidi, LLC [www.ibidi.com](http://www.ibidi.com)  
- Heating+Incubation Unit for Microscope Stage

### Indenters

Micro Star Technologies [www.microstartech.com](http://www.microstartech.com)

### Infra-Red Microscopes

CRAIC Technologies, Inc. [www.microspectra.com](http://www.microspectra.com)  
- UVM-1NIR Microscope

### Ion Beam Milling

**Hitachi** [www.hitachi-hta.com](http://www.hitachi-hta.com) p. 12  
- NB5000

**Leica Microsystems** [www.leica-microsystems.com](http://www.leica-microsystems.com) p. 14  
- Leica RES101

South Bay Technology, Inc. [www.southbaytech.com](http://www.southbaytech.com)  
- Low Energy, Low Angle, Large Area Ion Beam Polisher

### Ion Guns

Kurt J. Lesker Co. [www.lesker.com](http://www.lesker.com)  
- Ion sources  
- Power supplies

### Ion Pumps, New and Rebuilt

Gamma Vacuum [www.gammavacuum.com](http://www.gammavacuum.com)  
 - Ion Pumps  
 - Ion Pump Controllers

### Journals

McCrone Research Institute [www.mcri.org](http://www.mcri.org)  
 - The Microscope Journal

### Knife Resharpener

**Diatome U.S.** **215-412-8400**  
**[www.emsdiasum.com](http://www.emsdiasum.com)**  
**See Company Profile** p. 2  
**See Our Products** p. 10

### Knife Sharpening

Delaware Diamond Knives [www.ddk.com](http://www.ddk.com)  
 - Tungsten Carbide, Sapphire, Diamond Knives  
 Micro Star Technologies [www.microstartech.com](http://www.microstartech.com)

### Knives

**Diatome U.S.** **215-412-8400**  
**[www.emsdiasum.com](http://www.emsdiasum.com)**  
**See Company Profile** p. 2  
**See Our Products** p. 10

**Minitool, Inc.** **[www.minitoolinc.com](http://www.minitoolinc.com)** p. 14  
 - Minitool Precision MicroTools

### LaB<sub>6</sub> Sources

**Electron Microscopy Sciences** **215-412-8400**  
**[www.emsdiasum.com](http://www.emsdiasum.com)**  
**See Company Profile** p. 4  
**See Our Products** p. 10

### Laboratory Information Management System (LIMS)

Zumatrix, Inc. [www.zumatrix.com](http://www.zumatrix.com)  
 - Matrix Gemini LIMS  
 - Matrix Express LIMS  
 - Matrix Track-IT- Sample Tracking  
 - Matrix Stability-Stability Study Management

### Laboratory Safety Supplies

HEMCO Corporation [www.hemcoCorp.com](http://www.hemcoCorp.com)

### Laminar Flow Hoods

HEMCO Corporation [www.hemcoCorp.com](http://www.hemcoCorp.com)

### Lamps and Light Sources

**CoolLED Ltd.** **[www.cooled.com](http://www.cooled.com)** p. 10  
 - pE-series LED illumination products

Spectronics Corporation [www.spectroline.com](http://www.spectroline.com)  
 - E-Series + X-Series Longwave lamps

**Sutter Instrument** **[www.sutter.com](http://www.sutter.com)** p. 15  
 - Lambda XL

### Lasers

COBOLT AB [www.cobolt.se](http://www.cobolt.se)  
 - Cobolt Calypso™ 401 nm DPSS  
 - Cobolt Jive™ 561 nm DPSS  
 - Cobolt Zouk™ 355 nm CW  
 - Cobolt Mambo™ 594 nm DPSS  
 - Cobolt Fandango™ 515 nm DPSS

Renishaw, Inc. [www.renishaw.com](http://www.renishaw.com)  
 - Raman Microscope System

### Laser Scanning Confocal Microscopes

Keyence Corporation [www.keyence.com](http://www.keyence.com)  
 - VK-9700 Laser Scanning Confocal Microscope

**Olympus America, Inc.** **[www.olympusamerica.com](http://www.olympusamerica.com)** p. 14  
 - Fluoview FV10i

**Olympus America, Inc.** **800-446-5967**  
**[www.olympusamerica.com](http://www.olympusamerica.com)**  
**Olympus Soft Imaging Solutions** **+49 251 798 00 0**  
**[www.soft-imaging.net](http://www.soft-imaging.net)**

**See Company Profile** p. 7  
**See Our Products** p. 14

### Leak Detection

Pfeiffer Vacuum [www.pfeiffer-vacuum.com](http://www.pfeiffer-vacuum.com)

### LED

Prizmatix [www.prizmatix.com](http://www.prizmatix.com)  
 - Fiber Coupled LED Light Sources

### LED Illumination (LOM)

**CoolLED Ltd.** **[www.cooled.com](http://www.cooled.com)** p. 10  
 - pE-series LED illumination products

Prizmatix [www.prizmatix.com](http://www.prizmatix.com)  
 - Ultra-High Power LED Light Source  
 - UV High Power LED Light Source  
 - Modular Multi-Wavelength LED Light Source

### LED Lamps

**CoolLED Ltd.** **[www.cooled.com](http://www.cooled.com)** p. 10  
 - pE-series LED illumination products



### Lenses (LOM)

- Navitar, Inc. [www.navitar.com](http://www.navitar.com)  
- High Mag Imaging Lenses
- Special Optics [www.specialoptics.com](http://www.specialoptics.com)  
- Confocal Microscopy Laser Scanning Lenses

### Life Sciences

- Media Cybernetics** [www.mediacy.com](http://www.mediacy.com) p. 14
- Ted Pella, Inc.** [www.tedpella.com](http://www.tedpella.com) p. 16  
- High resolution FE-SEM Sputter Coaters  
- The PELCO BioWave Pro Microwave Tissue Processor  
- PELCO easiGlow Grid Cleaning System

### Light Optical Microscopes (LOMs)

- Bruker Nano** [www.bruker-nano.com](http://www.bruker-nano.com) p. 10  
- N8 NEOS
- MICROS Produktions- und Handels GmbH [www.micros.at](http://www.micros.at)  
- Crocus II MCX100LCD
- Mitutoyo America Corp. [www.mitutoyo.com](http://www.mitutoyo.com)

### Live Cell Chambers

- Charles Supper Company, Inc. [www.charles-supper.com](http://www.charles-supper.com)  
- MVD/24 Crystal Growth Chambers

### Live-Cell Imaging

- CrEST srl** [www.crestopt.com](http://www.crestopt.com) p. 10
- ibidi, LLC [www.ibidi.com](http://www.ibidi.com)  
- ibidi perfusion System  
- U-slide Chemotaxis
- Lambert Instruments [www.lambert-instruments.com](http://www.lambert-instruments.com)  
- Li2Cam MDS: component for FLIM systems
- Nanonics Imaging Ltd.** [www.nanonics.co.il](http://www.nanonics.co.il) p. 14  
- The Hydra™

### Low Voltage Electron Microscopes (LVEM)

- DELONG America [www.LV-EM.com](http://www.LV-EM.com)  
- LVEM5 Benchtop TEM/SEM/STEM

### Magnetic Field Cancellation

- Technical Manufacturing Corporation** [www.techmfg.com](http://www.techmfg.com) p. 15  
- Mag-NetX™ Magnetic Field Cancellation System

### Magnification Calibration

- APPLIED IMAGE Inc. [www.appliedimage.com](http://www.appliedimage.com)  
- APPLIED Ronchi & Sinusoidal Arrays

### Material Science

- Ted Pella, Inc.** [www.tedpella.com](http://www.tedpella.com) p. 16  
- High resolution FE-SEM Sputter Coaters  
- PELCO easiGlow Grid Cleaning System

### Measuring Microscopes

- Zemetrics, Inc.** [www.zemetrics.com](http://www.zemetrics.com) p. 17  
- ZeMapper 3D Metrology System
- Zygo Corporation [www.zygo.com](http://www.zygo.com)

### Mercury Lamps

- X-Cite by EXFO** [www.exfo-xcite.com](http://www.exfo-xcite.com) p. 16  
- X-Cite exacte

### Metal Halide Lamps

- X-Cite by EXFO** [www.exfo-xcite.com](http://www.exfo-xcite.com) p. 16  
- X-Cite exacte  
- X-Cite lamps

### Metallographic Equipment

- Allied High Tech Products** [www.alliedhightech.com](http://www.alliedhightech.com) p. 10
- Buehler [www.buehler.com](http://www.buehler.com)  
- IsoMet 4000 Linear Precision Saw
- LECO Corporation [www.leco.com](http://www.leco.com)
- Oxford Instruments NanoAnalysis** [www.oxford-instruments.com](http://www.oxford-instruments.com) p. 15  
- HKL Nordlys Detectors

### Metallographic Microscopes

- Allied High Tech Products** [www.alliedhightech.com](http://www.alliedhightech.com) p. 10

### Metallurgical Microscopes

- LECO Corporation [www.leco.com](http://www.leco.com)
- Meiji Techno America [www.meijitechno.com](http://www.meijitechno.com)  
- MT7000
- MICROS Produktions- und Handels GmbH [www.micros.at](http://www.micros.at)  
- Platinum MCXM500

### Metrology Instruments

- AXIOM OPTICS [www.axiomoptics.com](http://www.axiomoptics.com)  
- HASO32 Wavefront Sensor
- Charles Supper Company, Inc. [www.charles-supper.com](http://www.charles-supper.com)  
- Supper Spindle Stage
- Hysitron, Inc.** [www.hysitron.com](http://www.hysitron.com) p. 13  
- Hysitron Ubi 750
- MTI Instruments/Fullam** [www.mtiinstruments.com](http://www.mtiinstruments.com) p. 14  
- Tensile/Compression Testers

### Metrology Instruments (continued)

|  |  |       |
|--|--|-------|
| <b>Oxford Instruments NanoAnalysis</b><br>- ThinFilmID | <a href="http://www.oxford-instruments.com">www.oxford-instruments.com</a> | p. 15 |
| Zemetrics, Inc.<br>- ZeMapper 3D Metrology System      | <a href="http://www.zemetrics.com">www.zemetrics.com</a>                   |       |
| Zygo Corporation                                       | <a href="http://www.zygo.com">www.zygo.com</a>                             |       |

### Microanalysis Services

|                          |  |  |
|--------------------------|--|--|
| Advanced MicroBeam, Inc. | <a href="http://www.advancedmicrobeam.com">www.advancedmicrobeam.com</a> |  |
| McCrone Associates       | <a href="http://www.mccroneassociates.com">www.mccroneassociates.com</a> |  |

### Microinjectors

|  |  |       |
|--|--|-------|
| Applied Scientific Instrumentation (ASI)<br>- MPPI-3 | <a href="http://www.ASIimaging.com">www.ASIimaging.com</a> |       |
| <b>Sutter Instrument</b>                             | <a href="http://www.sutter.com">www.sutter.com</a>         | p. 15 |

### Micromanipulators

|  |  |       |
|--|--|-------|
| Janis Research Co.<br>- ST-500 Low Vibration Probe Station | <a href="http://www.janis.com">www.janis.com</a>             |       |
| <b>Minitool, Inc.</b><br>- Minitool Model FX-117           | <a href="http://www.minitoolinc.com">www.minitoolinc.com</a> | p. 14 |
| Omniprobe, Inc.<br>- ValueProbe™                           | <a href="http://www.omniprobe.com">www.omniprobe.com</a>     |       |
| <b>Sutter Instrument</b><br>- MPC-385 / MPC-325            | <a href="http://www.sutter.com">www.sutter.com</a>           | p. 15 |

### Microscope Slides

|  |  |  |
|--|--|--|
| Chroma Technology Corp.                      | <a href="http://www.chroma.com">www.chroma.com</a>                   |  |
| Globe Scientific Inc.<br>- Microscope Slides | <a href="http://www.globescientific.com">www.globescientific.com</a> |  |
| Haydon Kerk Motion Solutions, Inc.           | <a href="http://www.haydonkerk.com">www.haydonkerk.com</a>           |  |

### Microscope Stages

|                                    |  |       |
|------------------------------------|--|-------|
| Haydon Kerk Motion Solutions, Inc. | <a href="http://www.haydonkerk.com">www.haydonkerk.com</a>                 |       |
| McCrone Microscopes & Accessories  | <a href="http://www.mccronemicroscopes.com">www.mccronemicroscopes.com</a> |       |
| <b>Sutter Instrument</b>           | <a href="http://www.sutter.com">www.sutter.com</a>                         | p. 15 |

### Microscope Stands

|                                    |  |  |
|------------------------------------|--|--|
| Haydon Kerk Motion Solutions, Inc. | <a href="http://www.haydonkerk.com">www.haydonkerk.com</a> |  |
|------------------------------------|--|--|

### Microscope Viewing Heads

|   |  |  |
|---|--|--|
| Charles Supper Company, Inc.<br>- Specimen Mounting Heads | <a href="http://www.charles-supper.com">www.charles-supper.com</a> |  |
| Haydon Kerk Motion Solutions, Inc.                        | <a href="http://www.haydonkerk.com">www.haydonkerk.com</a>         |  |

### Microscopy Services

|                    |  |  |
|--------------------|--|--|
| McCrone Associates | <a href="http://www.mccroneassociates.com">www.mccroneassociates.com</a> |  |
|--------------------|--|--|

**SEMTECH SOLUTIONS, INC.** 978-663-9822 (235)  
[www.semtechsolutions.com](http://www.semtechsolutions.com)

**See Company Profile** p. 8  
- SEM Analytical Lab Services

|                  |  |  |
|------------------|--|--|
| Zygo Corporation | <a href="http://www.zygo.com">www.zygo.com</a> |  |
|------------------|--|--|

### Microscopy Training

|                       |  |  |
|-----------------------|--|--|
| College of Microscopy | <a href="http://www.collegeofmicroscopy.com">www.collegeofmicroscopy.com</a> |  |
|-----------------------|--|--|

### Microtomes and Ultramicrotomes

|   |  |  |
|---|--|--|
| MICROS Produktions- und Handels GgmbH<br>- Microtome Razor and Steely | <a href="http://www.micros.at">www.micros.at</a> |  |
|---|--|--|

### Microwaves

|                                     |  |       |
|-------------------------------------|--|-------|
| <b>Electron Microscopy Sciences</b> | 215-412-8400<br><a href="http://www.emsdiasum.com">www.emsdiasum.com</a> |       |
| <b>See Company Profile</b>          |  | p. 4  |
| <b>See Our Products</b>             |  | p. 10 |

### Microwave Processing

|   |  |       |
|---|--|-------|
| <b>Ted Pella, Inc.</b><br>- PELCO BioWave Pro | <a href="http://www.tedpella.com">www.tedpella.com</a> | p. 16 |
|---|--|-------|

### Moisture Balance

|                    |  |  |
|--------------------|--|--|
| Kett US<br>- FD720 | <a href="http://www.kett.com">www.kett.com</a> |  |
|--------------------|--|--|

### Multiprobe Imaging

|  |  |       |
|--|--|-------|
| <b>Nanonics Imaging Ltd.</b><br>- The Hydra™ | <a href="http://www.nanonics.co.il">www.nanonics.co.il</a> | p. 14 |
|--|--|-------|

### Nanoindentation

|  |  |       |
|--|--|-------|
| <b>Hysitron, Inc.</b><br>- TriboIndenter TI 950            | <a href="http://www.hysitron.com">www.hysitron.com</a>       | p. 13 |
| <b>Nanofactory Instruments AB</b><br>- In situ TEM Systems | <a href="http://www.nanofactory.com">www.nanofactory.com</a> | p. 14 |

### Nanopositioners

Charles Supper Company, Inc. [www.charles-supper.com](http://www.charles-supper.com)  
- Micropositioners

**Nanonics Imaging Ltd.** [www.nanonics.co.il](http://www.nanonics.co.il) p. 14  
- The Nanonics MultiView AFM-Raman Systems

### Nanoprobes

Advanced Diamond Technologies [www.thindiamond.com](http://www.thindiamond.com)  
- NaDiaProbes—All Diamond AFM Probes

**Evex Inc.** **609-252-9192**  
**[www.evex.com](http://www.evex.com)**  
**See Company Profile** p. 5

Micro Star Technologies [www.microstartech.com](http://www.microstartech.com)

**Nanofactory Instruments AB** [www.nanofactory.com](http://www.nanofactory.com) p. 14  
- In situ TEM Systems

### Near-Field Scanning Optical Microscopes (NSOMs)

A.P.E. Research SRL [www.aperesearch.com](http://www.aperesearch.com)  
- TriA-SNOM

**Nanonics Imaging Ltd.** [www.nanonics.co.il](http://www.nanonics.co.il) p. 14  
- Near-Field Scanning Optical Microscopes  
- The Hydra™

### NIR Composition

Kett US [www.kett.com](http://www.kett.com)  
- KJT270

### NIR Moisture Meter

Kett US [www.kett.com](http://www.kett.com)  
- KJT130

### Objective Lenses

Mitutoyo America Corp. [www.mitutoyo.com](http://www.mitutoyo.com)  
Special Optics [www.specialoptics.com](http://www.specialoptics.com)  
- Laser Focusing Objectives

### Optical Filters

Chroma Technology Corp. [www.chroma.com](http://www.chroma.com)  
Iridian Spectral Technologies [www.iridian.ca](http://www.iridian.ca)  
- Optical Filters  
- Raman Optical Filters  
- Fluorescence Optical Filters

### Optical Power Measurement

**X-Cite by EXFO** [www.exfo-xcite.com](http://www.exfo-xcite.com) p. 16  
- X-Cite Optical Power Measurement System

### Optical Prototyping System

Prizmatix [www.prizmatix.com](http://www.prizmatix.com)  
- OptiBlock Optical Prototyping System

### Phase Contrast Microscopy

HREM Research Inc. [www.hremresearch.com](http://www.hremresearch.com)  
- QPt for DigitalMicrograph

### Photography Supplies

**Electron Microscopy Sciences** **215-412-8400**  
**[www.emsdiasum.com](http://www.emsdiasum.com)**  
**See Company Profile** p. 4  
**See Our Products** p. 10

### Plasma Cleaners

**Gatan, Inc.** [www.gatan.com](http://www.gatan.com) p. 11  
- Gatan 950 Solarus®

South Bay Technology, Inc. [www.southbaytech.com](http://www.southbaytech.com)  
- Large Capacity Plasma Cleaner

**XEI Scientific, Inc.** [www.evactron.com](http://www.evactron.com) p. 16

### Polarized Light Microscopy

McCrone Microscopes & Accessories [www.mccronemicroscopes.com](http://www.mccronemicroscopes.com)

Meiji Techno America [www.meijitechno.com](http://www.meijitechno.com)  
- MT9900

### Polishing Consumables

**Allied High Tech Products** [www.alliedhightech.com](http://www.alliedhightech.com) p. 10

Buehler [www.buehler.com](http://www.buehler.com)  
- Buehler SunMet Polishing Bundles

### Polishing Equipment

**Allied High Tech Products** [www.alliedhightech.com](http://www.alliedhightech.com) p. 10

LECO Corporation [www.leco.com](http://www.leco.com)

South Bay Technology, Inc. [www.southbaytech.com](http://www.southbaytech.com)  
- Polishing Machines and Fixtures

### Raman Spectroscopy/Microscopy

AIST-NT [www.aist-nt.com](http://www.aist-nt.com)  
- OmegaScope

ChemImage Corporation [www.chemimage.com](http://www.chemimage.com)  
- Falcon II Wide-Field Raman Chemical Imaging System

### Raman Spectroscopy/Microscopy (continued)

Harrick Scientific [www.harricksci.com](http://www.harricksci.com)  
Products, Inc.  
- Flat-Top Environmental Chamber Accessory

**Nanonics Imaging Ltd.** [www.nanonics.co.il](http://www.nanonics.co.il) p. 14  
- The Nanonics MultiView AFM-Raman Systems  
- SPM/TERS/NSOM Integrated with Raman Spectroscopy

Renishaw, Inc. [www.renishaw.com](http://www.renishaw.com)  
- Raman Microscope System

### Reflection Light Microscope

Capovani Brothers Inc. [www.capovani.com](http://www.capovani.com)  
- Leitz Ergolux Reflected Light Microscopes

### Resharpener Services

**Diatome U.S.** **215-412-8400**  
[www.emsdiasum.com](http://www.emsdiasum.com)  
  
**See Company Profile** p. 2  
**See Our Products** p. 10

### Residual Gas Analyzers

Pfeiffer Vacuum [www.pfeiffer-vacuum.com](http://www.pfeiffer-vacuum.com)  
- Mass Spec

### Resolution Standards

APPLIED IMAGE Inc. [www.appliedimage.com](http://www.appliedimage.com)  
- APPLIED Resolution charts and arrays

Geller MicroAnalytical Lab., [www.GellerMicro.com](http://www.GellerMicro.com)  
Inc.  
- MRS-5

### Sample Preparation and Handling

Buehler [www.buehler.com](http://www.buehler.com)  
- #63-2000 Buehler Vanguard Fully Automatic Preparation System

Denton Vacuum, LLC [www.dantonvacuum.com](http://www.dantonvacuum.com)  
- DV-502B

**Diatome U.S.** **215-412-8400**  
[www.emsdiasum.com](http://www.emsdiasum.com)  
  
**See Company Profile** p. 2  
**See Our Products** p. 10

Dune Sciences, Inc. [www.dunesciences.com](http://www.dunesciences.com)  
- SMARD GRID Sample Preparation Videos

**Electron Microscopy Sciences** **215-412-8400**  
[www.emsdiasum.com](http://www.emsdiasum.com)  
  
**See Company Profile** p. 4  
**See Our Products** p. 10

**Minitool, Inc.** [www.minitoolinc.com](http://www.minitoolinc.com) p. 14  
- Minitool 55-0078 MicroRuler  
- Minitool Precision MicroTools

PRO Scientific [www.proscientific.com](http://www.proscientific.com)

South Bay Technology, Inc. [www.southbaytech.com](http://www.southbaytech.com)  
- Sample Preparation Tools

**Ted Pella, Inc.** [www.tedpella.com](http://www.tedpella.com) p. 16  
- PELCO SEM mounts and SEM mount storage boxes

### Scanners (SPM)

**Nanonics Imaging Ltd.** [www.nanonics.co.il](http://www.nanonics.co.il) p. 14  
- The Nanonics MultiView AFM-Raman Systems

### Scanning Electron Microscopes (SEMs)

Carl Zeiss SMT Inc. [www.zeiss.com/nts](http://www.zeiss.com/nts)  
- MERLIN® FE-SEM

DELONG America [www.LV-EM.com](http://www.LV-EM.com)  
- LVEM5 Benchtop TEM/SEM/STEM

**Evex Inc.** **609-252-9192**  
[www.evex.com](http://www.evex.com)  
  
**See Company Profile** p. 5

FEI [www.fei.com](http://www.fei.com)  
- Magellan XHR

**Hitachi** [www.hitachi-hta.com](http://www.hitachi-hta.com) p. 12  
- NB5000

JEOL USA [www.jeolusa.com](http://www.jeolusa.com)  
- JSM-7600F  
- MultiBeam: JIB-4500/4600F

**Oxford Instruments NanoAnalysis** [www.oxford-instruments.com](http://www.oxford-instruments.com) p. 15  
- X-Max  
- INCA Energy

Particle Technology Labs [www.particletechlabs.com](http://www.particletechlabs.com)

Seron Technologies Inc. [www.serontech.co.kr](http://www.serontech.co.kr)  
- AIS 2100C  
- AIS 2200  
- AIS 2300C

Specs Surface Nano Analysis GmbH [www.specs.com](http://www.specs.com)  
- Aberration corrected low energy electron microscopy (LEEM)  
- Photoelectron energy microscopy (PEEM) systems

**Ted Pella, Inc.** [www.tedpella.com](http://www.tedpella.com) p. 16  
- High resolution FE-SEM Sputter Coaters

**Tescan USA Inc.** [www.tescan.com](http://www.tescan.com) p. 16  
- VEGA-3

### Scanning Probe Microscopes (SPMs)

|  |  |       |
|--|--|-------|
| <b>Bruker Nano</b><br>- N8 NEOS  | <a href="http://www.bruker-nano.com">www.bruker-nano.com</a> | p. 10 |
| <b>Hysitron, Inc.</b><br>- Triboscope TS 75  | <a href="http://www.hysitron.com">www.hysitron.com</a>       | p. 13 |
| ION-TOF<br>- hr-MFM  | <a href="http://www.iontof.com">www.iontof.com</a>           |       |
| <b>Nanofactory Instruments AB</b><br>- In situ TEM Systems                             | <a href="http://www.nanofactory.com">www.nanofactory.com</a> | p. 14 |
| <b>Nanonics Imaging Ltd.</b><br>- The Hydra™   | <a href="http://www.nanonics.co.il">www.nanonics.co.il</a>   | p. 14 |
| Nanosurf AG<br>- Saphyr  | <a href="http://www.nanosurf.com">www.nanosurf.com</a>       |       |
| Specs Surface Nano<br>Analysis GmbH<br>- UHV system for ultra-low temperatures: JT-SPM | <a href="http://www.specs.com">www.specs.com</a>             |       |
| Veeco Instruments, Inc.<br>- MultiMode 8 SPM   | <a href="http://www.veeco.com">www.veeco.com</a>             |       |

|                            |   |       |
|----------------------------|---|-------|
| <b>IXRF Systems, Inc.</b>  | <b>281-286-6485</b><br><a href="http://www.ixrfsystems.com">www.ixrfsystems.com</a> |       |
| <b>See Company Profile</b> |   | p. 6  |
| <b>See Our Products</b>    |   | p. 13 |

|  |  |       |
|--|--|-------|
| Ladd Research Industries<br>- Parts and Supplies   | <a href="http://www.laddresearch.com">www.laddresearch.com</a>     |       |
| M.E. Taylor Engineering, Inc.<br>- Conductive Adhesives coatings & tabs                                      | <a href="http://www.semsupplies.com">www.semsupplies.com</a>       |       |
| <b>MTI Instruments/Fullam</b><br>- Tensile/Compression Testers   | <a href="http://www.mtiinstruments.com">www.mtiinstruments.com</a> | p. 14 |
| <b>Nanonics Imaging Ltd.</b><br>- The Nanonics MultiView AFM-Raman Systems<br>- SPM & NSOM Accessory for SEM | <a href="http://www.nanonics.co.il">www.nanonics.co.il</a>         | p. 14 |
| Omniprobe, Inc.<br>- ShortCut™   | <a href="http://www.omniprobe.com">www.omniprobe.com</a>           |       |

### Scanning Transmission Electron Microscopes (STEMs)

|   |  |  |
|---|--|--|
| DELONG America<br>- LVEM5 Benchtop TEM/SEM/STEM | <a href="http://www.LV-EM.com">www.LV-EM.com</a> |  |
| FEI<br>- Titan G2 60-300                        | <a href="http://www.fei.com">www.fei.com</a>     |  |

|                                |   |      |
|--------------------------------|---|------|
| <b>SEMTECH Solutions, Inc.</b> | <b>978-663-9822 (235)</b><br><a href="http://www.semtechsolutions.com">www.semtechsolutions.com</a> |      |
| <b>See Company Profile</b>     |   | p. 8 |
| - IR Chamber Scopes            |   |      |

### Scanning Tunneling Microscopes (STMs)

|   |  |       |
|---|--|-------|
| A.P.E. Research SRL<br>- PA-STM   | <a href="http://www.aperesearch.com">www.aperesearch.com</a> |       |
| <b>Bruker Nano</b><br>- N8 NEOS   | <a href="http://www.bruker-nano.com">www.bruker-nano.com</a> | p. 10 |
| Nanosurf AG<br>- easyScan 2 STM   | <a href="http://www.nanosurf.com">www.nanosurf.com</a>       |       |
| Specs Surface Nano<br>Analysis GmbH<br>- UHV system for variable temperatures: SPM 150 Aarhus | <a href="http://www.specs.com">www.specs.com</a>             |       |

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|--|--|-------|
| SPI Supplies<br>- Paints   | <a href="http://www.2spi.com">www.2spi.com</a>         |       |
| <b>Ted Pella, Inc.</b><br>- PELCO SEM Sample Holders, modular system | <a href="http://www.tedpella.com">www.tedpella.com</a> | p. 16 |

### SEM/TEM Digital Imaging Systems

|                            |   |       |
|----------------------------|---|-------|
| <b>4pi Analysis, Inc.</b>  | <a href="http://www.4pi.com">www.4pi.com</a>  | p. 10 |
| <b>IXRF Systems, Inc.</b>  | <b>281-286-6485</b><br><a href="http://www.ixrfsystems.com">www.ixrfsystems.com</a> |       |
| <b>See Company Profile</b> |   | p. 6  |
| <b>See Our Products</b>    |   | p. 13 |

### Scintillators

|   |  |  |
|---|--|--|
| M.E. Taylor Engineering, Inc.<br>- Scintillators<br>- Light Pipes | <a href="http://www.semsupplies.com">www.semsupplies.com</a> |  |
|---|--|--|

|   |  |  |
|---|--|--|
| M.E. Taylor Engineering, Inc.<br>- SEM DIGI-CAM | <a href="http://www.semsupplies.com">www.semsupplies.com</a> |  |
|---|--|--|

### SEM Accessories

|   |  |       |
|---|--|-------|
| Advanced Microscopy<br>Techniques Corp.                 | <a href="http://www.amtimaging.com">www.amtimaging.com</a>   |       |
| <b>Bruker Nano</b><br>- QUANTAX<br>- QUANTAX CrystAlign | <a href="http://www.bruker-nano.com">www.bruker-nano.com</a> | p. 10 |
| <b>Gatan, Inc.</b><br>- Gatan SmartEBIC                 | <a href="http://www.gatan.com">www.gatan.com</a>             | p. 11 |
| <b>Hysitron, Inc.</b><br>- SEM PicoIndenter PI 85       | <a href="http://www.hysitron.com">www.hysitron.com</a>       | p. 13 |

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|--------------------------------|---|------|
| <b>SEMTECH Solutions, Inc.</b> | <b>978-663-9822 (235)</b><br><a href="http://www.semtechsolutions.com">www.semtechsolutions.com</a> |      |
| <b>See Company Profile</b>     |   | p. 8 |
| - X-Stream Imaging System      |   |      |

### Semiconductors

|  |  |       |
|--|--|-------|
| <b>Ted Pella, Inc.</b><br>- High resolution FE-SEM Sputter Coaters | <a href="http://www.tedpella.com">www.tedpella.com</a> | p. 16 |
|--|--|-------|

### Service and Repair

|  |                     |
|--|---------------------|
| MAX Detector Repair Group LLC<br>- Liquid Nitrogen X-Ray Detector Repair+Service | www.maxdetector.com |
| SIA (Scientific Instruments and Applications)                                    | www.sia-cam.com     |

### Service Laboratories

|  |                            |
|--|----------------------------|
| Alliance Technologies                    | www.alliancetechnology.com |
| McCrone Associates                       | www.mccroneassociates.com  |
| Particle Technology Labs                 | www.particletechlabs.com   |
| PolyInsight LLC<br>- Microscopy Services | www.polyinsight.com        |

### Shutters

|   |                |       |
|---|----------------|-------|
| <b>Sutter Instrument</b><br>- SmartShutter™ | www.sutter.com | p. 15 |
|---|----------------|-------|

### Shuttering

|                          |                |       |
|--------------------------|----------------|-------|
| <b>Sutter Instrument</b> | www.sutter.com | p. 15 |
|--------------------------|----------------|-------|

### Slides and Coverslips

|   |                         |
|---|-------------------------|
| Globe Scientific Inc.<br>- Cover Glass & Slides | www.globescientific.com |
| ibidi, LLC<br>- U-slides/U-dishes               | www.ibidi.com           |

### Small Dual Beam

|                         |             |
|-------------------------|-------------|
| FEI<br>- Helios Nanolab | www.fei.com |
|-------------------------|-------------|

### Small Tools

|   |                     |       |
|---|---------------------|-------|
| <b>Minitool, Inc.</b><br>- Minitool MicroTools<br>- Minitool Precision MicroTools | www.minitoolinc.com | p. 14 |
|---|---------------------|-------|

### Software for Microanalysis

|  |                        |       |
|--|------------------------|-------|
| <b>4pi Analysis, Inc.</b>                  | www.4pi.com            | p. 10 |
| <b>Allied High Tech Products</b>           | www.alliedhightech.com | p. 10 |
| Amerinex Applied Imaging<br>- Aphelion     | www.amerinximaging.com |       |
| ChemImage Corporation<br>- ChemImage Xpert | www.chemimage.com      |       |

|  |  |      |
|--|--|------|
| <b>EDAX Inc.</b>   | <b>800-535-edax</b><br><b>www.edax.com</b> |      |
| <b>See Company Profile</b><br>- TEAM™(EDS)<br>- Genesis (EDS)<br>- OIM™ (EBSD) |  | p. 3 |

|  |                            |       |
|--|----------------------------|-------|
| <b>Oxford Instruments</b><br><b>NanoAnalysis</b><br>- INCAEnergy<br>- INCAWave | www.oxford-instruments.com | p. 15 |
|--|----------------------------|-------|

### Software for Microscopy

|  |                        |
|--|------------------------|
| Amerinex Applied Imaging<br>- Aphelion                 | www.amerinximaging.com |
| HREM Research Inc.<br>- HREM Stimulation Suite (xHREM) | www.hremresearch.com   |

### Specimen Holders

|   |                    |
|---|--------------------|
| Applied Scientific Instrumentation (ASI)<br>- Stage Inserts | www.ASIimaging.com |
|---|--------------------|

|   |               |       |
|---|---------------|-------|
| <b>Gatan, Inc.</b><br>- Gatan 910 Multi-Specimen Single Tilt Cryo Transfer Holder | www.gatan.com | p. 11 |
|---|---------------|-------|

|  |                     |       |
|--|---------------------|-------|
| <b>Nanofactory Instruments AB</b><br>- In situ TEM Systems | www.nanofactory.com | p. 14 |
|--|---------------------|-------|

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|--|------------------|-------|
| <b>Tousimis Research Corporation</b><br>- Sample Holders | www.tousimis.com | p. 16 |
|--|------------------|-------|

### Specimen Preparation Equipment

|  |                      |
|--|----------------------|
| Buehler<br>- #49-7251 EcoMet 250 Grinder-Polisher with Touchscreen | www.buehler.com      |
| Denton Vacuum, LLC<br>- Desk V                                     | www.dantonvacuum.com |

|  |               |       |
|--|---------------|-------|
| <b>Gatan, Inc.</b><br>- Gatan 601 TPC-Tool Ultrasonic Cutter | www.gatan.com | p. 11 |
|--|---------------|-------|

|  |                            |
|--|----------------------------|
| JEOL USA<br>- CP/IB-09010 Cross Section Polisher                                   | www.jeolusa.com            |
| Leica Microsystems<br>- The entire range for materials and biological applications | www.leica-microsystems.com |

|   |                     |       |
|---|---------------------|-------|
| <b>Minitool, Inc.</b><br>- Carbide Micro Cutting Tools<br>- Minitool Precision MicroTools | www.minitoolinc.com | p. 14 |
|---|---------------------|-------|

|  |                  |       |
|--|------------------|-------|
| <b>Ted Pella, Inc.</b><br>- Cressington Sputter and Carbon Coaters | www.tedpella.com | p. 16 |
|--|------------------|-------|

### Specimen Preparation Supplies

|  |                      |
|--|----------------------|
| Dune Sciences, Inc.<br>- SMART GRIDS Tack Strips   | www.dunesciences.com |
| Delaware Diamond Knives<br>- Diamond Knives<br>- Tungsten Carbide Knives<br>- Sapphire Steel | www.ddk.com          |

|  |                         |
|--|-------------------------|
| Globe Scientific Inc.<br>- Microscope Slides | www.globescientific.com |
|--|-------------------------|

|                           |                   |
|---------------------------|-------------------|
| Omniprobe, Inc.<br>- SST™ | www.omniprobe.com |
|---------------------------|-------------------|

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|--|------------------|-------|
| <b>Ted Pella, Inc.</b><br>- PELCO Carbon Tabs and Carbon Paint | www.tedpella.com | p. 16 |
|--|------------------|-------|



### Spectrometers

**Oxford Instruments NanoAnalysis**      [www.oxford-instruments.com](http://www.oxford-instruments.com)      p. 15  
- X-Max

### Spectrometers (light)

CRAIC Technologies, Inc.      [www.microspectra.com](http://www.microspectra.com)  
- 20/20 PV UV-visible-NIR Microspectrophotometer  
- QDI 302 Microscope Spectrometer

Renishaw, Inc.      [www.renishaw.com](http://www.renishaw.com)  
- Raman Microscope System

### Spectrometers (X-ray)

**Bruker Nano**      [www.bruker-nano.com](http://www.bruker-nano.com)      p. 10  
- QUANTAX  
- S2 PICOFOX

e2v Scientific Instruments      [www.e2vsi.com](http://www.e2vsi.com)  
- siriusSD (SDD) and Sirius (SiLi) detectors

### Spinning Disk Confocal Microscopy

Lambert Instruments      [www.lambert-instruments.com](http://www.lambert-instruments.com)  
- LIFA for confocal and for TIRF microscopy

### Stage Automation

Applied Scientific Instrumentation (ASI)      [www.ASIimaging.com](http://www.ASIimaging.com)  
- ASI XY and Z stages

### Stains

**Electron Microscopy Sciences**      **215-412-8400**  
[www.emsdiasum.com](http://www.emsdiasum.com)  
**See Company Profile**      p. 4  
**See Our Products**      p. 10

### Standards for Microanalysis

APPLIED IMAGE Inc.      [www.appliedimage.com](http://www.appliedimage.com)  
- APPLIED IAM, Accu-Place standards

Dune Sciences, Inc.      [www.dunesciences.com](http://www.dunesciences.com)  
- SMART Gold Kits

### Stereo 3D Imaging and Measurement

Energy Beam Sciences, Inc.      [www.ebsstore.com](http://www.ebsstore.com)  
- Alicona MeX 5.1 Imaging & Measurement Software

**Evex Inc.**      **609-252-9192**  
[www.evex.com](http://www.evex.com)  
**See Company Profile**      p. 5

### Stereo Microscopes

Capovani Brothers Inc.      [www.capovani.com](http://www.capovani.com)  
- Nikon SMZ Series Stereo Zoom Microscope

McCrone Microscopes & Accessories      [www.mccronemicroscopes.com](http://www.mccronemicroscopes.com)

Meiji Techno America      [www.meijitechno.com](http://www.meijitechno.com)  
- EM Series  
- RZ Series

Mitutoyo America Corp.      [www.mitutoyo.com](http://www.mitutoyo.com)

**Ted Pella, Inc.**      [www.tedpella.com](http://www.tedpella.com)      p. 16  
- Motic SMZ-168 Stereo Microscope

### Storage Supplies

Globe Scientific Inc.      [www.globescientific.com](http://www.globescientific.com)  
- Slide Storage Boxes

### Supplies

Bel-Art Products      [www.belart.com](http://www.belart.com)  
- Laboratory Safety  
- Storage

Duniway Stockroom Corp.      [www.duniway.com](http://www.duniway.com)  
- Vacuum Components  
- Oils

### Surface Analysis

ION-TOF      [www.iontof.com](http://www.iontof.com)  
- TOF. SIMS 5  
- QTAC 100

Kratos Analytical, Inc.      [www.kratos.com](http://www.kratos.com)  
- X-Ray Photoelectron Spectrometers (XPS)

PolyInsight LLC      [www.polyinsight.com](http://www.polyinsight.com)  
- Microscopy Services

Specs Surface Nano Analysis GmbH      [www.specs.com](http://www.specs.com)  
- Customized combined XPS, UPS, AES, SEM, STM, SPM, and MBE systems

**Zemetrics, Inc.**      [www.zemetrics.com](http://www.zemetrics.com)      p. 17  
- ZeMapper 3D Metrology System

Zygo Corporation      [www.zygo.com](http://www.zygo.com)

### Surface Profiling

Capovani Brothers Inc.      [www.capovani.com](http://www.capovani.com)  
- Veeco Dektak 3030 Surface Profiler

Veeco Instruments, Inc.      [www.veeco.com](http://www.veeco.com)  
- NPFLEX 3D-Non-Contact Optical Profiler  
- Contour GT Optical Profiler Family

**Zemetrics, Inc.**      [www.zemetrics.com](http://www.zemetrics.com)      p. 17  
- ZeMapper 3D Metrology System

Zygo Corporation      [www.zygo.com](http://www.zygo.com)

### TEM Accessories

Advanced Microscopy Techniques Corp. [www.amtimaging.com](http://www.amtimaging.com)

**Bruker Nano** [www.bruker-nano.com](http://www.bruker-nano.com) p. 10  
- QUANTAX

**Electron Microscopy Sciences** [215-412-8400](http://215-412-8400)  
[www.emsdiasum.com](http://www.emsdiasum.com)  
**See Company Profile** p. 4  
**See Our Products** p. 10

**Hysitron, Inc.** [www.hysitron.com](http://www.hysitron.com) p. 13  
- TEM PicoIndenter PI 95

Ladd Research Industries [www.laddresearch.com](http://www.laddresearch.com)  
- Parts and Supplies

**Nanofactory Instruments AB** [www.nanofactory.com](http://www.nanofactory.com) p. 14  
- In situ TEM Systems

SIA (Scientific Instruments and Applications) [www.sia-cam.com](http://www.sia-cam.com)

SPI Supplies [www.2spi.com](http://www.2spi.com)  
- Grids

**Ted Pella, Inc.** [www.tedpella.com](http://www.tedpella.com) p. 16  
- PELCO Silicon Nitride Support Films  
- TEM Grids and Support Films

**Tousimis Research Corporation** [www.tousimis.com](http://www.tousimis.com) p. 16  
- TEM Laboratory Supplies

### Testing Equipment

LECO Corporation [www.leco.com](http://www.leco.com)

Spectronics Corporation [www.spectroline.com](http://www.spectroline.com)  
- AccuMAX™ Series of digital radiometers/photometers

**Zemetrics, Inc.** [www.zemetrics.com](http://www.zemetrics.com) p. 17  
- ZeMapper 3D Metrology System

### Thin Film Measurement

**Oxford Instruments NanoAnalysis** [www.oxford-instruments.com](http://www.oxford-instruments.com) p. 15  
- ThinFilmID

### Tissue Processors

**Electron Microscopy Sciences** [215-412-8400](http://215-412-8400)  
[www.emsdiasum.com](http://www.emsdiasum.com)  
**See Company Profile** p. 4  
**See Our Products** p. 10

### Tomography

**Ted Pella, Inc.** [www.tedpella.com](http://www.tedpella.com) p. 16  
- PELCO easiGlow Grid Cleaning System

**Minitool, Inc.** [www.minitoolinc.com](http://www.minitoolinc.com) p. 14  
- Minitool Precision MicroTools

### Tools

**Minitool, Inc.** [www.minitoolinc.com](http://www.minitoolinc.com) p. 14  
- Minitool Stainless Steel Micro Tools

### Total Internal Reflection Microscopy (TIRF)

**Olympus America, Inc.** [www.olympusamerica.com](http://www.olympusamerica.com) p. 14  
- Cell<sup>^</sup>TIRF

**Olympus America, Inc.** [800-446-5967](http://800-446-5967)  
[www.olympusamerica.com](http://www.olympusamerica.com)

**Olympus Soft Imaging Solutions** [+49 251 798 00 0](http://+49-251-798-00-0)  
[www.soft-imaging.net](http://www.soft-imaging.net)  
**See Company Profile** p. 7  
**See Our Products** p. 14

### Transmission Electron Microscopes (TEMs)

Carl Zeiss SMT Inc. [www.zeiss.com/nts](http://www.zeiss.com/nts)  
- LIBRA® 120/200 KV

DELONG America [www.LV-EM.com](http://www.LV-EM.com)  
- LVEM5 Benchtop TEM/SEM/STEM

FEI [www.fei.com](http://www.fei.com)  
- Titan G2 60-300  
- TECNA: Osiris

**Hitachi** [www.hitachi-hta.com](http://www.hitachi-hta.com) p. 12  
- NB5000

**Hysitron, Inc.** [www.hysitron.com](http://www.hysitron.com) p. 13  
- TEM PicoIndenter PI 95

**Oxford Instruments NanoAnalysis** [www.oxford-instruments.com](http://www.oxford-instruments.com) p. 15  
- X-Max  
- INCA Energy

**Ted Pella, Inc.** [www.tedpella.com](http://www.tedpella.com) p. 16  
- The PELCO BioWave Pro Microwave Tissue Processor  
- PELCO easiGlow Grid Cleaning System

### Tweezers

**Electron Microscopy Sciences** [215-412-8400](http://215-412-8400)  
[www.emsdiasum.com](http://www.emsdiasum.com)  
**See Company Profile** p. 4  
**See Our Products** p. 10

SPI Supplies [www.2spi.com](http://www.2spi.com)  
- Tweezers for Research and Science

**Ted Pella, Inc.** [www.tedpella.com](http://www.tedpella.com) p. 16  
- Dumont Tweezers

### Ultramicrotomes

- Leica Microsystems [www.leica-microsystems.com](http://www.leica-microsystems.com)  
 - Leica EM UC7 with optional EM FC7 cryo attachment
- Micro Star Technologies [www.microstartech.com](http://www.microstartech.com)

### Ultraviolet Microscope

- CRAIC Technologies, Inc. [www.microspectra.com](http://www.microspectra.com)  
 - UVM-1 UV-visible-NIR Microscope  
 - UVM-2 UV-visible-NIR Microscope

### Upright Microscope

- Olympus America, Inc.** [www.olympusamerica.com](http://www.olympusamerica.com) p. 14  
 - BX® series microscopes

- Olympus America, Inc.** **800-446-5967**  
[www.olympusamerica.com](http://www.olympusamerica.com)

- Olympus Soft Imaging Solutions** **+49 251 798 00 0**  
[www.soft-imaging.net](http://www.soft-imaging.net)
- See Company Profile** p. 7  
**See Our Products** p. 14

### Used Equipment

- SEMTECH Solutions, Inc.** **978-663-9822 (235)**  
[www.semtechsolutions.com](http://www.semtechsolutions.com)
- See Company Profile** p. 8  
 - Used and Refurbished SEMs

### Vacuum

- Pfeiffer Vacuum [www.pfeiffer-vacuum.com](http://www.pfeiffer-vacuum.com)  
 - Gauges

### Vacuum Equipment

- Capovani Brothers Inc. [www.capovani.com](http://www.capovani.com)  
 - Varian Turbomolecular Vacuum Pumps
- Denton Vacuum, LLC [www.dantonvacuum.com](http://www.dantonvacuum.com)  
 - Explorer
- Duniway Stockroom Corp. [www.duniway.com](http://www.duniway.com)  
 - Ion Pumps  
 - Vacuum Gauges

- Electron Microscopy Sciences** **215-412-8400**  
[www.emsdiasum.com](http://www.emsdiasum.com)
- See Company Profile** p. 4  
**See Our Products** p. 10

- Kurt J. Lesker Co. [www.lesker.com](http://www.lesker.com)  
 - Vacuum components

- Pfeiffer Vacuum [www.pfeiffer-vacuum.com](http://www.pfeiffer-vacuum.com)

- Synergy Vacuum, Inc. [www.synergyvacuum.com](http://www.synergyvacuum.com)  
 - ISP 50 Scroll Vacuum Pump 2.8 cfm 100 mTorr  
 - ISP 90 Scroll Vacuum Pump 3.8 cfm 38 mTorr  
 - ISP 250c Scroll Vacuum Pump 10.6 cfm 12 mTorr  
 - ISP 500c Scroll Vacuum Pump 21.2 cfm 7.5 mTorr  
 - ISP 1000 Scroll Vacuum Pump 42.4 cfm 7.5 mTorr

- Ted Pella, Inc.** [www.tedpella.com](http://www.tedpella.com) p. 16  
 - Vacuum Pumps and Gauges

### Vacuum Evaporators

- Denton Vacuum, LLC [www.dantonvacuum.com](http://www.dantonvacuum.com)  
 - Bench Top Turbo IV

- Kurt J. Lesker Co. [www.lesker.com](http://www.lesker.com)  
 - Thermal evaporation sources

- Ladd Research Industries [www.laddresearch.com](http://www.laddresearch.com)  
 - LADD Vacuum, Sputtering Systems

- Ted Pella, Inc.** [www.tedpella.com](http://www.tedpella.com) p. 16  
 - Cressington 308R-EM

### Vacuum Oils

- Kurt J. Lesker Co. [www.lesker.com](http://www.lesker.com)  
 - Vacuum pump oils

- SPI Supplies [www.2spi.com](http://www.2spi.com)  
 - Vacuum Greases

### Variable-Pressure Scanning Electron Microscopes

- Tescan USA Inc.** [www.tescan.com](http://www.tescan.com) p. 16  
 - VEGA-3

### Vibration Isolation Systems

- Technical Manufacturing Corporation** [www.techmfg.com](http://www.techmfg.com) p. 15  
 - STACIS® iX SEM-Base™ Floor Platform  
 - STACIS® Active Piezoelectric Vibration Cancellation  
 - STACIS® iX LaserTable-Base™  
 - STACIS® iX Stage-Base™ Vibration Cancellation

### Vibratomes

- Electron Microscopy Sciences** **215-412-8400**  
[www.emsdiasum.com](http://www.emsdiasum.com)
- See Company Profile** p. 4  
**See Our Products** p. 10

### Video Microscopes

- Applied Scientific Instrumentation (ASI) [www.ASIimaging.com](http://www.ASIimaging.com)  
 - VTS-2000  
 - VM-2000  
 - MIM

### Video Microscopes (continued)

|  |                         |       |
|--|-------------------------|-------|
| <b>CrEST srl</b>                                       | <b>www.crestopt.com</b> | p. 10 |
| Keyence Corporation<br>- VW-6000 High-Speed Microscope | www.keyence.com         |       |
| Mitutoyo America Corp.                                 | www.mitutoyo.com        |       |

### Water Chillers

|  |                  |  |
|--|------------------|--|
| Capovani Brothers Inc.<br>- Thermo Scientific Neslab Baths/Circulators | www.capovani.com |  |
|--|------------------|--|

### Wavelength Dispersive Super Detectors

|                          |                           |  |
|--------------------------|---------------------------|--|
| Advanced MicroBeam, Inc. | www.advancedmicrobeam.com |  |
|--------------------------|---------------------------|--|

### Wavelength Dispersive X-ray Spectrometry (WDS)

|   |  |      |
|---|--|------|
| <b>EDAX Inc.</b>                              | <b>800-535-edax</b><br><b>www.edax.com</b> |      |
| <b>See Company Profile</b>                    |  | p. 3 |
| - LEXS Spectrometer<br>- TEXS HP Spectrometer |  |      |

|  |                                   |       |
|--|-----------------------------------|-------|
| <b>Oxford Instruments NanoAnalysis</b><br>- INCAWave | <b>www.oxford-instruments.com</b> | p. 15 |
|--|-----------------------------------|-------|

### Wavelength Switchers

|   |                       |       |
|---|-----------------------|-------|
| <b>Sutter Instrument</b><br>- Lambda DG-4 / DG-5 Plus | <b>www.sutter.com</b> | p. 15 |
|---|-----------------------|-------|

### Xenon Lamps

|   |                         |       |
|---|-------------------------|-------|
| Hamamatsu Corporation<br>- Xenon Lamps  | www.sales.hamamatsu.com |       |
| <b>Sutter Instrument</b><br>- Lambda LS | <b>www.sutter.com</b>   | p. 15 |

### X-ray Analysis Equipment

|   |                        |       |
|---|------------------------|-------|
| <b>4pi Analysis, Inc.</b>   | <b>www.4pi.com</b>     | p. 10 |
| Charles Supper Company, Inc.<br>- Goniometer Heads, Thin-Walled Capillary Tubes | www.charles-supper.com |       |

**EDAX Inc.** **800-535-edax**  
**www.edax.com**

**See Company Profile** p. 3  
 - TEAM™ Analysis System (EDS)  
 - Genesis Analysis System (EDS)  
 - OIM™ Analysis System (EBSD)  
 - Pegasus Analysis System (EDS + EBSD)  
 - Neptune Analysis System (EDS + WDS)  
 - Trident Analysis System (EDS, EBSD, + WDS)  
 - Orbis Micro-XRF Analysis System

**Evex Inc.** **609-252-9192**  
**www.evex.com**

**See Company Profile** p. 5

**IXRF Systems, Inc.** **281-286-6485**  
**www.ixrfsystems.com**

**See Company Profile** p. 6  
**See Our Products** p. 13

**Oxford Instruments NanoAnalysis** **www.oxford-instruments.com** p. 15  
 - X-Max  
 - INCAEnergy  
 - INCAWave

SII Nanotechnology USA, Inc. **www.siintusa.com**  
 - Spectrometers

**Tousimis Research Corporation** **www.tousimis.com** p. 16  
 - X-Ray Reference Standards

Xradia, Inc. **www.xradia.com**  
 - X-ray Microscopes for Synchrotrons

### X-Ray Photoelectron Spectrometers/Microscopes

Kratos Analytical, Inc. **www.kratos.com**  
 - X-Ray Photoelectron Spectrometers (XPS)

### μ-XRF Spectrometry

**Bruker Nano** **www.bruker-nano.com** p. 10  
 - M1 Mistral  
 - ARTAX  
 - M4 Tornado