

## SEMTECH SOLUTIONS

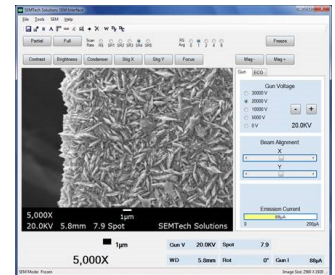
SEMTECH SOLUTIONS is a leading supplier of refurbished Scanning Electron Microscopes (SEMs), SEM Accessories and SEM Services. For 20 years, the goal of SEMTECH SOLUTIONS has been to breathe new life into older scanning electron microscopes. What makes SEMTECH SOLUTIONS unique is our in-house engineering design and manufacturing capabilities, along with a team of highly trained electron beam service engineers located throughout the United States and Europe. We offer long-term SEM service support packages. SEMTECH SOLUTIONS has a track record for installing new features with advanced capabilities, at our factory or in the field, so older SEMs will continue to meet the demanding requirements of our customers.

- **SEMView8000 Universal SEM Upgrade**—The SEMView8000 is a universal, modern SEM operator's console that extends your original SEM equipment investment. The SEMView8000 design is a culmination of 15 years of advanced SEM digital imaging technology from SEMTECH SOLUTIONS. The SEMView8000 provides a complete replacement of the original equipment manufacturer's (OEM) operating console. SEMView8000 benefits include a Win10 operating system and 64 MegaPixel image density. We replace the entire electronics console, PC cards and power supplies with new technology to drive the SEM column. SEMView8000 is housed in a small footprint cabinet. Our Graphical User Interface software provides functionality, ease of use and connectivity required for today's modern SEM laboratories.
- **Scanning Electron Microscopes**—SEMTECH SOLUTIONS offers a wide range of used SEMs. We are committed to delivering the highest quality refurbished SEMs. We specialize in upgrading scanning electron microscopes with new accessories such as Silicon Drift Detectors (SDD), Back Scattered Electron (BSE) Detectors, and Infra-Red (IR) Chamberscopes. We also carry an inventory of spare parts and consumables to support all SEMs we offer for years to come.
- **IR Chamberscopes**—The IR Chamberscope is designed and manufactured in our Billerica, MA factory and interfaces onto virtually all scanning electron microscopes. The high brightness LEDs and adjustable miniature camera make this system suitable for any size SEM/FIB chamber. Worldwide OEM distribution available.
- **Silicon Drift (SDD) EDS Detectors**—SEMTECH SOLUTIONS, in coordination with worldwide SEM detector manufacturers, are working together to provide universal cost-effective solutions for all pre-owned SEMs. The STS SDD (Silicon Drift) detectors provide low noise, excellent resolution, and high-count rate capability in various diameters. Its design incorporates industry standard signal outputs and is compatible with most existing pulse processing systems.
- **Backscatter Electron (BSE) Detectors**—The SEMTECH SOLUTIONS F1 Motorized BSE Detector offers superior atomic number contrast imaging. Compared to other BSE systems, the F1 BSE delivers the finest clarity, sensitivity and speed. The system has a high signal to noise ratio and is capable of imaging down to 0.2kV.
- **SEM Analytical Laboratory Services**—SEMTECH SOLUTIONS' SEM Analytical Laboratory provides support to a wide array of industrial, governmental, academic, biomedical, pharmaceutical, consulting and commercial markets. We utilize FE-SEMs, EDS, and Optical Microscopy for materials testing, identification, technical problem solving, and failure analysis.

SEMTECH SOLUTIONS remains dedicated to preserving, extending and enhancing the operational lifetime of scanning electron microscopes worldwide.



### SEMView8000



### How to find us

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