

## PROFILE



### **JEAN L. SCHLOSSER** **Electron Microscopy Manager**

[jeans@CraneEngineering.com](mailto:jeans@CraneEngineering.com)



Highly regarded as a leader in her field, Jean Schlosser oversees Crane Engineering's scanning electron microscopy (SEM) laboratory – a critical component of the firm's engineering services.

#### **ROLE AND RESPONSIBILITIES**

As manager of Crane's SEM lab, Jean applies her expertise in SEM/energy dispersive x-ray spectrometry (EDS) technology to serve the firm's industrial, medical, biological and legal clients. She is responsible for all aspects of the SEM's capabilities, including high-resolution micrographs, qualitative/quantitative chemical analysis, x-ray mapping, line scans, color digital imaging and low-vacuum/variable-pressure work. She works directly with clients and regularly addresses issues of material contamination, failure and selection. Her support of clients' research and development starts with assistance with sample preparation ("don't put the broken pieces back together!") and extends to recommendations for further analytical techniques to resolve data ambiguities. The results of her work are often crucial to client product liability

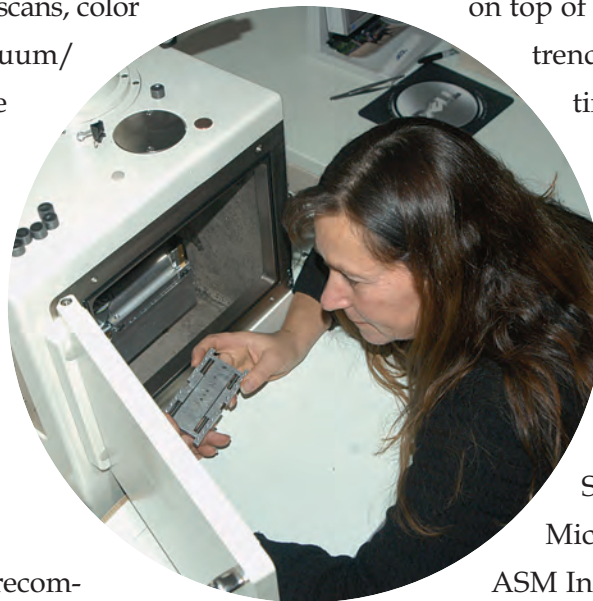
cases and insurance claims, and she can support the findings with her expert testimony.

#### **EXPERIENCE**

Jean has more than 25 years of experience in SEM/EDS operation and management. Her analytical background includes all areas of material failures, fractures, corrosion, wear and deformation. Prior to joining Crane, Jean performed SEM analyses for a major international technology and manufacturing company. She also previously worked in research and development in the food industry.

#### **EDUCATION AND INVOLVEMENT**

Jean is a graduate of St. Paul Technical College with a degree in chemical technology. She stays on top of the latest innovations and trends in her field through continuing education, including training on Oxford, JEOL and Noran instruments, and through her involvement in professional industry groups. Jean is a past president of the Minnesota Microscopy Society and a member of the Microscopy Society of America, ASM International, Association of Women in Metals, International Microelectronics & Packaging Society, American Welding Society, and Medical Alley.



**CRANE ENGINEERING**

2355 Polaris Lane North, Plymouth, MN 55447-4777

763-557-9090 800-538-2797 Fax: 763-557-0710

[www.CraneEngineering.com](http://www.CraneEngineering.com)