

# There are 1001 electron microscopy applications. There is one company ready to respond to any one of them.

You name it. We've got it. The perfect electron microscopy solution. For biological, geological and new-materials research. For industries ranging from semiconductor to food, textile to pharmaceutical. For R&D and QA. For laboratories and high-production environments.

We're talking Hitachi's unmatched product-line breadth—and depth. From the world's highest-resolution SEM to a super-affordable SEM that sacrifices nothing in high-end features. From STEMs with the operational simplicity of a SEM to CD-SEM and an array of bright- and dark-field wafer inspection systems. From a pacesetter FIB to a breakthrough PCI data management system.

That broad line, those advanced technologies, are what you'd expect from those who introduced the first Windows-operated TEM and who've made TEMs since 1941, SEMs since 1969, FE-SEM since 1972 and FE-TEM since 1983. We're also the company that's averaged over 1000 patents a year since 1976. Further, we're the people currently pioneering interactive, Internet-based "collaboration microscopy" and a 1-MV field-emission transmission electron microscope.

Small wonder our solutions—many of which were first developed for our own internal use and all of whose components are built in cleanrooms using Hitachi equipment—are the first choice

worldwide. But, more important, you can see virtually all of our microscopes demonstrated in our new 65,000-sq.-ft. demonstration/ training/ R&D facility. So, take the first step toward your perfect solution. Visit our Web site. Or simply call.

## Hitachi High Technologies America

5100 Franklin Drive  
Pleasanton, CA 94588-3355  
(800) 227-8877  
E-mail: [emdsales@hitachi-hhta.com](mailto:emdsales@hitachi-hhta.com)  
[www.hitachi-hhta.com](http://www.hitachi-hhta.com)

940 Clopper Road, Suite 944  
Gaithersburg, MD 20878  
(800) 638-4087

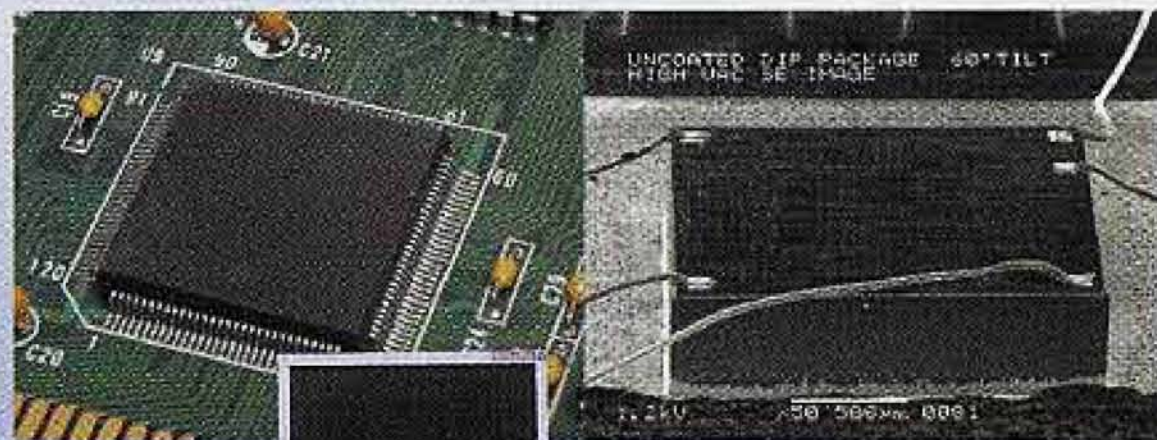
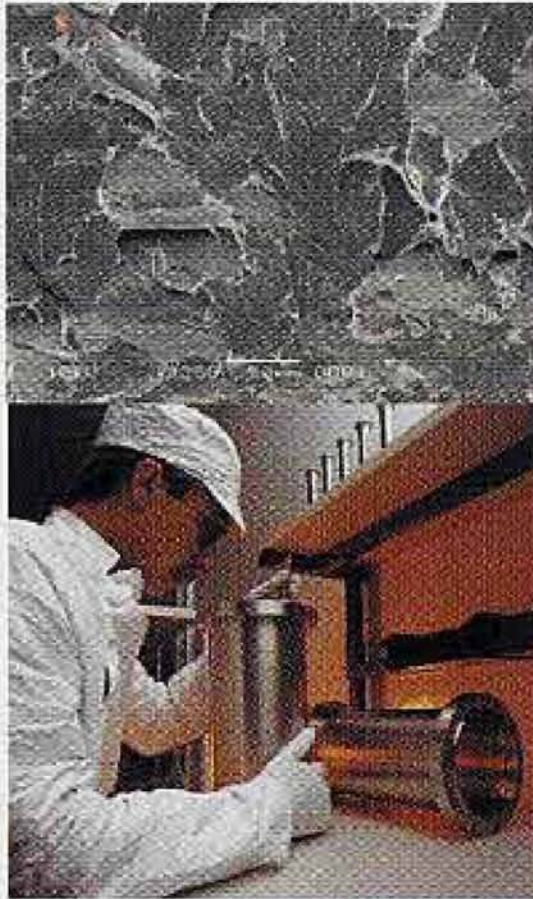
Windows is a registered trademark of Microsoft Corporation



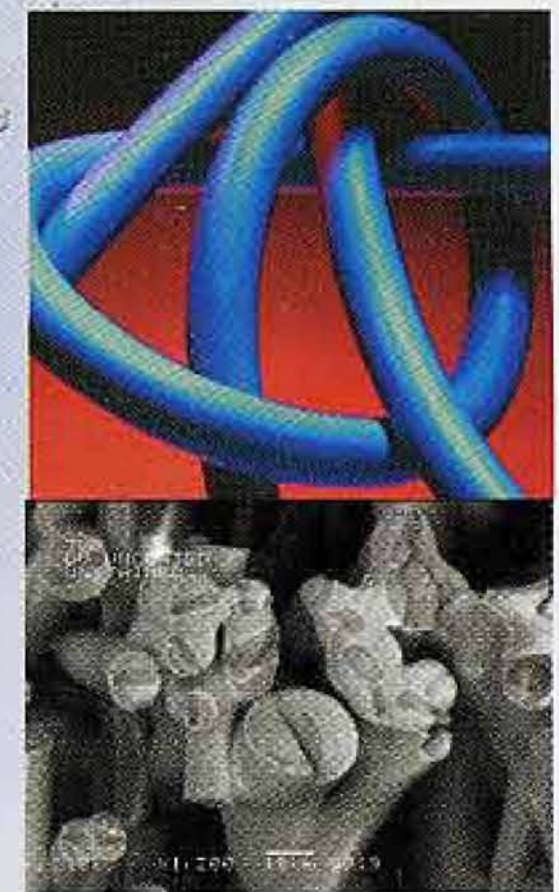
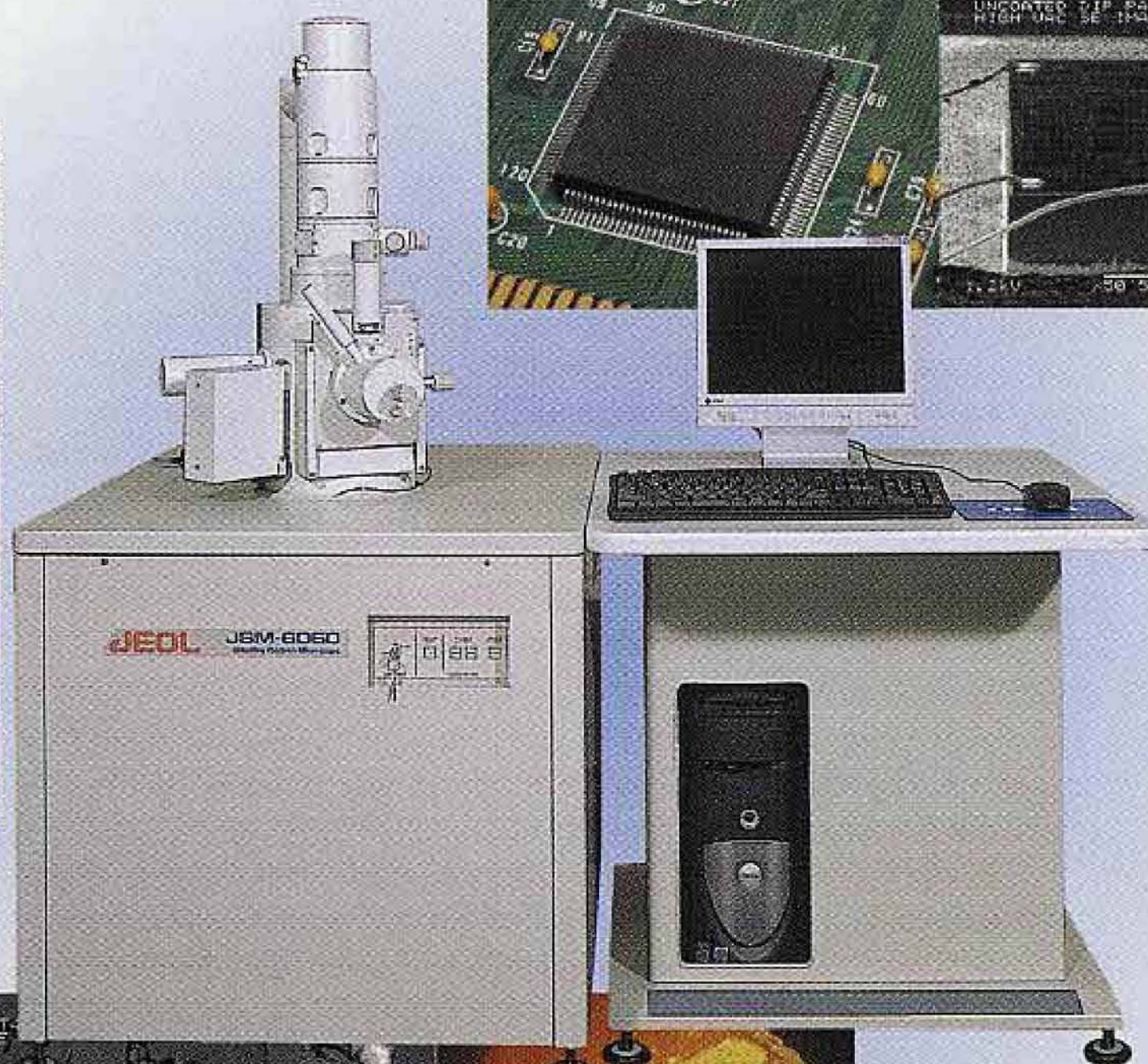
# ***This SEM's for you.***

## ***Unlimited imaging at an unbeatable price!***

*failure analysis  
brittle fracture in steel*



*electronics  
dip circuit*



*polymers  
fiber cross-section*

*metallurgy  
inclusion in a  
weld x-section*



Take advantage of a special opportunity to own a new, affordable, easy-to-use SEM from JEOL, the imaging leader. For a limited time we're offering the JSM-6060 scanning electron microscope at an extremely special price.\* Now is your chance to employ the latest in SEM technology when and where you need it - for routine inspection, forensics, contamination and failure analysis, quality control, reverse engineering, and new product development.

Own the performance SEM you've been waiting for and enjoy the support of the imaging experts at JEOL - complete with training and warranty. Join the JEOL family and expand your imaging horizons. Call Janice at 978-536-2267 for more information, or visit [www.jeol.com/jsm-6060](http://www.jeol.com/jsm-6060).

- **3.5 nm resolution**
- **PC control**
- **Full range of automatic functions**
- **Includes features of higher-priced SEMs**
- **Small footprint - compact new look**

**\* The new JSM-6060 introductory price is just \$65,000 (less than \$100,000 with optional EDS). Price valid in North America through March 31, 2003. Lease options are available.**

Another  
**Extreme Imaging**  
Solution from  
**JEOL**

[jsm6060@jeol.com](mailto:jsm6060@jeol.com)