

# Twice As Precise

## JSM-5800 Scanning Microscope Features Two Options for Optimum Control.



**JSM-5800**  
Dual  
versatility –  
Scanning  
Microscopy  
via mouse or  
knobset.

- Large Specimen Stage
- High/low vacuum capability
- Super Conical Objective Lens for high resolution

Suitable for a wide range of applications, the JSM-5800 from JEOL represents a new era in scanning microscopy. Now you have the option to choose either mouse or knobset control, while taking advantage of the super conical objective lens designed for the highest resolution (3.5nm) and large sample tilting.

- ▶ Easy-to-use unit has a wide range of built-in automatic functions.
- ▶ Large specimen stage allows room for up to an 8-inch sample.
- ▶ Archiving enables temporary or permanent storage and retrieval in standard TIF format.
- ▶ Five axis stage automation makes the JSM-5800 fast and easy-to-use.

Discover the twice as precise alternative that is as unique as your work itself.

To arrange for a demonstration of the innovative JSM-5800 call JEOL today.



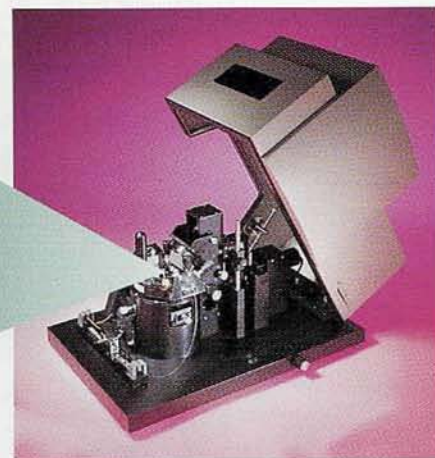
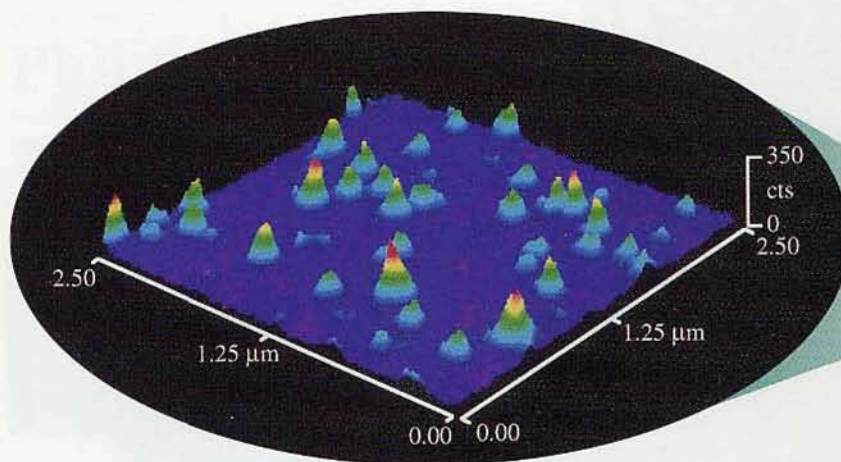
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# NSOM

## Proven. Accepted. Available.



### PROVEN

Aurora™ from TopoMetrix, is the world's first commercially available near-field scanning optical microscope (NSOM) system. In a little more than one year since its introduction, Aurora has repeatedly proven its ability to achieve true state-of-the-art performance. And it has done this by consistently producing images with the same quality and signal intensity as those presented in the best published data.

Above is a fluorescence NSOM image of single DiI molecules on a poly (methylmethacrylate) film. The relative intensity and apparent shape of each single molecule signal can be used to determine the orientation of the molecule with respect to the electric fields at the end of the NSOM tip.

### ACCEPTED

In companies, universities and research institutes around the world, Aurora is solving problems and providing previously unattainable answers to important scientific questions. Physical chemistry, biology, semiconductor research and analytical research are just a few disciplines where Aurora is contributing to new levels of understanding.

Every day, more and more scientists are publishing significant technical papers and giving presentations that describe the novel scientific progress made possible by Aurora.



### AVAILABLE

Deliveries of Aurora began in early 1994. Today, it is in use in university and industry laboratories throughout the world. Aurora is inherently versatile and designed for easy customizing to meet diverse research objectives.

Proven. Accepted. Available. That's Aurora. But it's also just the beginning of the Aurora story. To learn the rest, call 1-800-765-5067 today. Tell us about your application. We'll send you technical details about Aurora and how it can contribute to your research. Further information is available on the WWW at <http://topometrix.com>.

The above image was acquired using an oil-immersion objective and avalanche photodiode with the Aurora NSOM. Image courtesy of P. F. Barbara and D. A. Higgins, University of Minnesota.



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