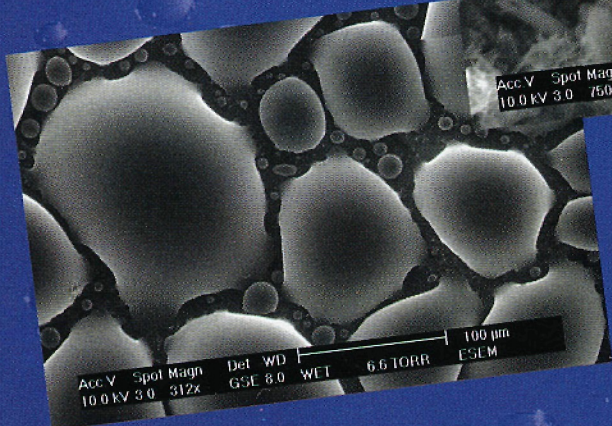
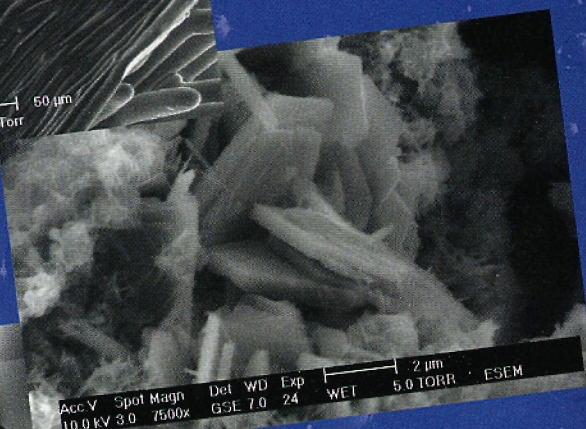


We'd like to exert a little pressure



Wet samples stay that way

Hydrated samples remain indefinitely hydrated because an ESEM provides a saturated water vapour environment. A wet plant leaf (top), result from a dynamic cement drying experiment (centre) and water drops on plant leaf (bottom), viewed as never before using an ESEM.

A lot of pressure to be precise! Our ESEMs[®] have up to 50 Torr at their disposal and are the only instruments that can easily exceed the 4.6 Torr needed to investigate hydrated samples in the chamber.

Finally, you can look at delicate wet samples in their natural state. See pure water droplets condensing on a sample. Rain in your SEM!

A flood of new possibilities

Materials scientists will be able to watch dynamic processes – like concrete setting or crystals forming – in a controlled humid environment... as they take place.

And for biologists, this opens the floodgates to new opportunities in tissue research, even allowing you to look at living organisms. Delicate surface structures stay intact as they do not have to be dried or frozen.

A lab within a lab!

The ESEM[®] employs high-resolution secondary electron (SE) imaging in a gaseous environment, even at temperatures up to 1500°C. Experimental materials scientists can observe samples as they are heated or melted in the chamber. Which means you can study the (re)crystallisation phenomena, for example. It's essentially a lab within a lab, with virtually endless possibilities.

Contact us for a 'no-pressure' discussion.

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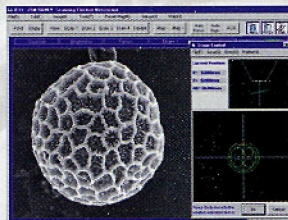
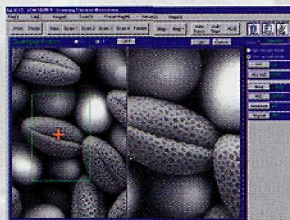
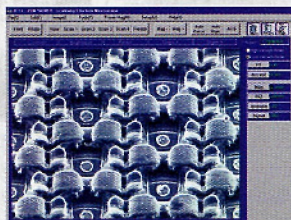


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SEM now for under
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If leasing this means
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month.**

JSM-5600 & JSM-5600LV

Multi-Purpose and Low Vacuum Scanning Electron Microscope



All screens are clear and simple allowing easy system management and image optimization.

- ▶ **Based on a Simple PC Interface.**
- ▶ **Intuitive Operation with a Mouse Alone.**
- ▶ **No Nonsense Transition Between Conventional and Low Vacuum Modes.**
- ▶ **Built-in DTP System Allows Quick and Easy Report Generation and Printing.**
- ▶ **A Special High Sensitivity Detector Allows High Image Quality In All Modes.**

The new JSM-5600 and JSM-5600LV Scanning Electron Microscope was designed from the ground up as a PC SEM. This means that it can be controlled completely and efficiently from only the keyboard

and mouse. Keeping in mind the wide variety of preferences for controlling various aspects of an SEM we have also included an optional knobset for multitasking and fine control. You choose.

If you are currently in the market for a high end conventional or low vacuum SEM and need to combine state-of-the-art electronics with the versatility of computer control, we would like to invite you to come to our Applications Facility so that we can prove to you that it really is "As Easy As It Looks".

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