



***airSEM* from B-nano:
10nm resolution at ambient conditions**

***airSEM* : a paradigm shift in the microscopy world**

B-nano, an innovative company, has challenged current practices to develop and produce *airSEM* : A scanning Electron Microscope that provides high resolution images at ambient conditions

EXPERIENCE THE CONVENIENCE, EASE AND FLEXIBILITY OF THE OPTICAL MICROSCOPE, WITH THE HIGH RESOLUTION OF THE SEM!

FEATURES OF THE *airSEM* :

- 10 nm resolution at ambient conditions
- No sample charging
- Image any type of sample: solids or liquids, conducting or insulating
- No limitation on sample size
- Material analysis using EDX
- Open geometry, similar to an optical microscope

ADVANTAGES OF THE *airSEM* :

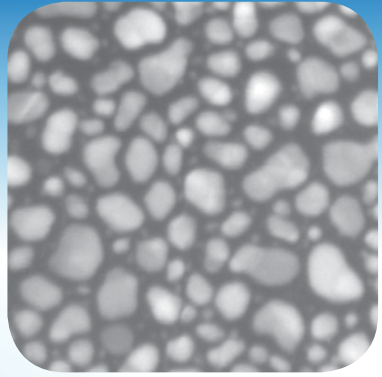
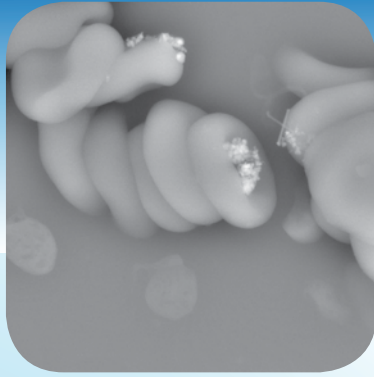
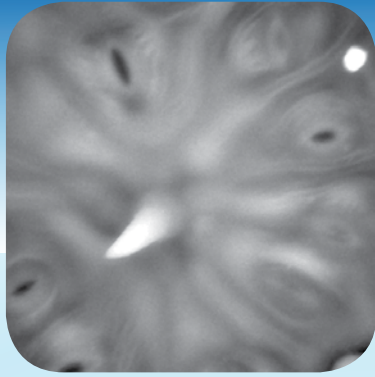
- Easy to use and requires no expertise
- Complex sample preparation is not required
- Easily add high resolution microscopy to your existing experimental setup
- Integration of several microscopes on a single workbench
- Seamless transition among microscopes; correlative microscopy at the click of a button
- Reach comprehensive data faster

***airSEM* is now available. Contact B-nano today:**

Email: info@b-nano.com

***airSEM* : it's like nothing you've been able to see before**

www.b-nano.com



airSEM from A-Z

airSEM: creating a paradigm shift in microscopy

Biological samples can be imaged in their natural state

Charging is automatically suppressed by the presence of ionized air molecules

Dynamics and snapshots of processes can be easily acquired

Environmental parameters such as temperature & gas composition can be adjusted

Flexibility: consider bringing the *airSEM* to your experimental workbench

Goodbye: say goodbye to noisy vacuum pumps

Helping science see and learn more

Integration with other apparatuses is facilitated through its open geometry

Just take the sample, ANY sample, put it under the microscope and image

Know-how: *airSEM* operation requires no expertise

Large substrates such as flat panel displays and solar panels are easily viewed

M&**M**: microscopy and microanalysis made easy with *airSEM*

Nanotechnology: *airSEM* will enable nanotechnology integration

Optical and *airSEM* imaging on the same platform enables true correlative imaging

Probe microscopy: AFM will be integrated to the *airSEM* in the future

Q&**A**: info@b-nano.com

R&**D** cycles will be accelerated

Samples do not require preparation

Time efficient: get more qualitative data in less time

Understand your process

Vacuum: *airSEM* enables imaging samples that are not vacuum compatible

Wet samples: image solid-liquid and liquid-gas interfaces

X-rays: material analysis on any sample using EDX

Yield: *airSEM* can be used in-line for monitoring defects and increasing the yield

Zebra: no, *airSEM* is not ideal for imaging Zebras