# The Phenom™ – the perfect addition to your SEM lab

The ease of use, high throughput, and imaging power of the Phenom™ make it a valuable compliment to any analytical SEM laboratory. A 30-second load time and intuitive user-interface allow rapid imaging of samples with a minimal investment in user training. The Phenom uses industry standard pin-stub SEM sample mounts, allowing samples to be transferred between SEMs easily. By screening samples, users can reduce workload pressure on existing SEMs while preparing a navigation map for samples that do require further examination in an analytical SEM.

**Load Balancing with the Phenom**

With its ease of use and high resolution imaging up to 24,000x magnification, the Phenom™ makes a great addition to a SEM lab. The Phenom allows for rapid sample screening, reducing the imaging bottleneck thus improving lab workflows. Routine imaging can be offloaded to the Phenom to enhance throughput on high-end SEMs. High throughput on the Phenom allows rapid sample characterization by screening out those that do not need further analysis. This capability saves time and wear on your analytical instruments. The Phenom uses industry-standard pin-stub sample mounting hardware allowing for sample interchangeability between SEMs.

**Navigation Mapping in the Phenom**

The Phenom may be used to rapidly identify and map locations of interest on samples that will need examination in an analytical SEM. The intuitive UI allows for saving an optical overview and low magnification SEM image with location markers thus eliminating the wasted back and forth between an optical and SEM.

**The Phenom – a perfect compliment to a Standard SEM**

The Phenom helps balance the workload on existing SEMs while increasing schedule efficiency. It increases a lab's overall magnification capacity by offloading routine work from the SEM at a cost level traditionally associated with an optical microscope.

**Figure 1: Phenom Sample cup and holders**

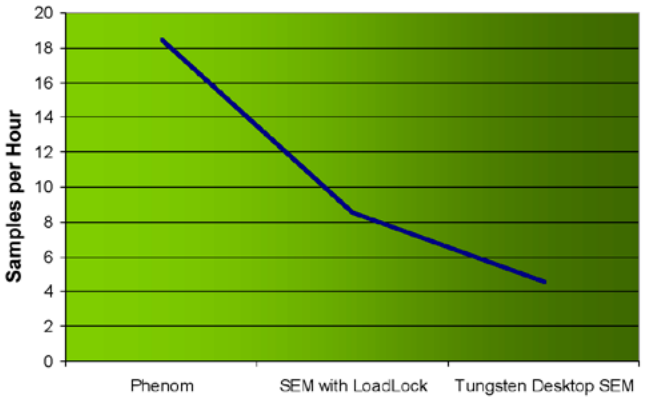


**Figure 2: Comparison of SEM speed**

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TECHNICAL NOTE

PHENOMWORLD

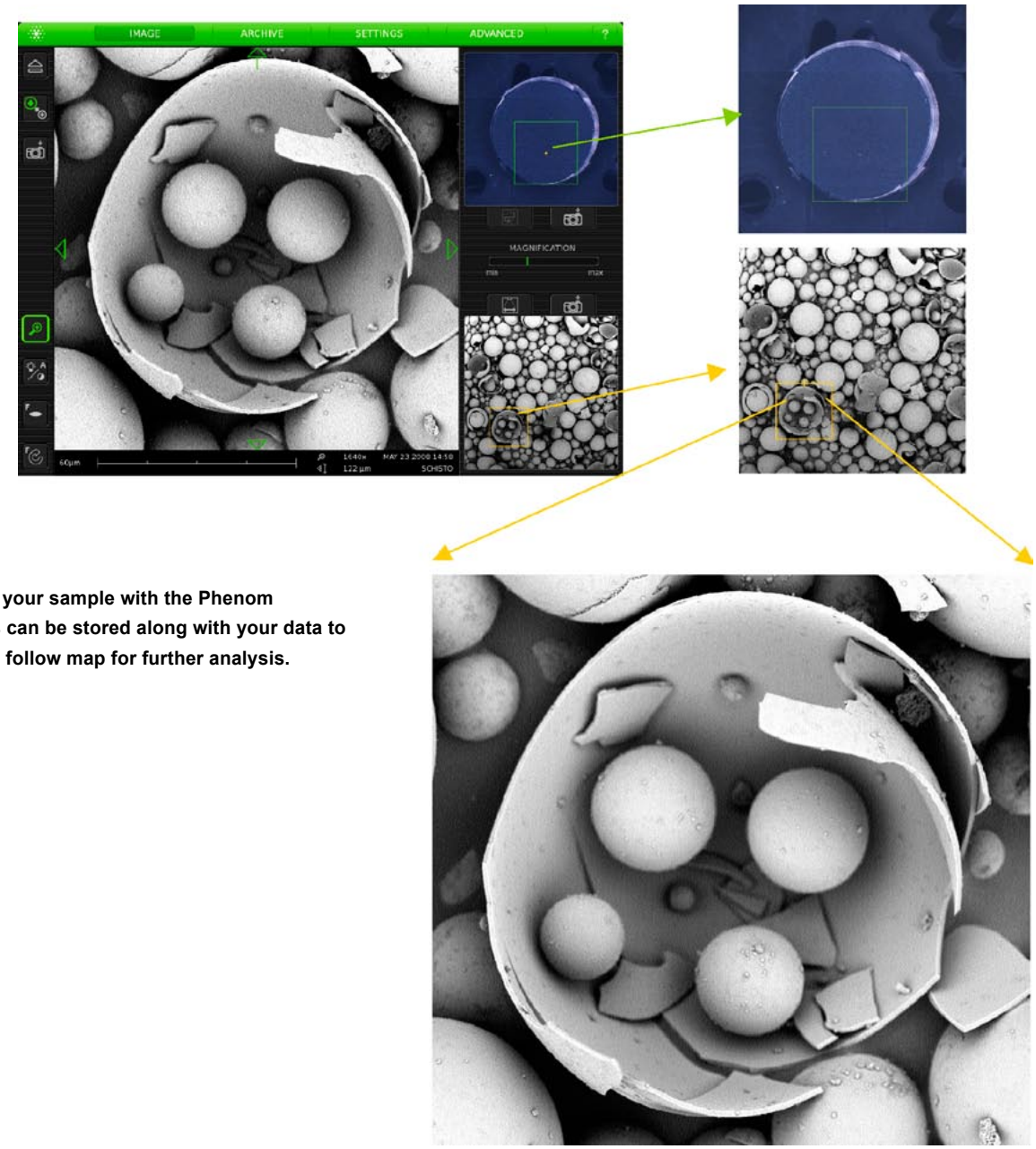


**Figure 3: Mapping your sample with the Phenom Navigation images can be stored along with your data to provide an easy to follow map for further analysis.**

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