

Faster, Better, Easier Fiber Analysis

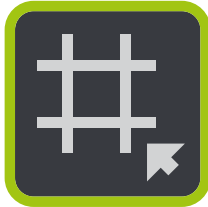


FIBERMETRIC™ 

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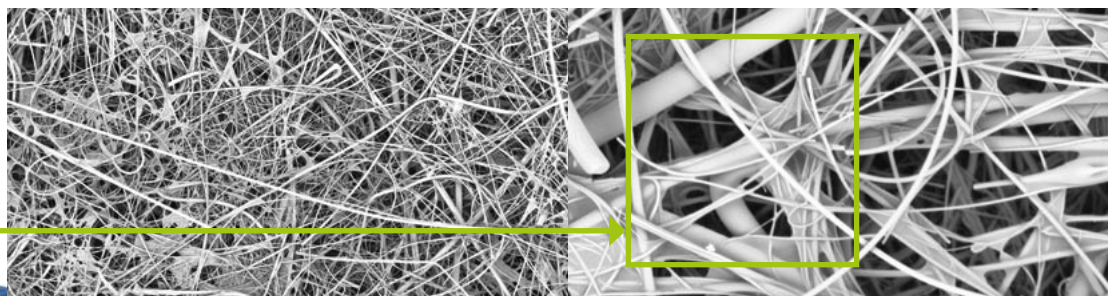
Faster, better, easier fiber analysis

Now, direct observation and measurement of micro and nano fibers is faster, better and easier than ever before. With the Fibermetric™ system powered by Phenom™ you can load and image samples in about 30 seconds. Magnifications up to 24,000 times produce accurate information on a large range of fibers as small as 100 nm in diameter. Automated measurement generates all the statistical data you need in minutes, and unlike other SEM-based solutions, no laboratory infrastructure or trained microscopists are required.



“Turning insight into value”

The Fibermetric system is a Phenom based solution dedicated for fiber samples. This high resolution desktop imaging tool is easy to operate; everyone on your team can now see beyond the power of light to generate more accurate measurement data faster than ever before. With its affordable price, ease-of-use, speed and accuracy, the Fibermetric system gives you a rapid return on investment and a sustainable competitive advantage.



Phenomenal results

- 24x to 24,000x magnification
- Millimeter to nano scale imaging
- Easy to operate
- High throughput
- Low operating and imaging costs
- No special facility requirements

Get all your statistical data, automatically

Save time

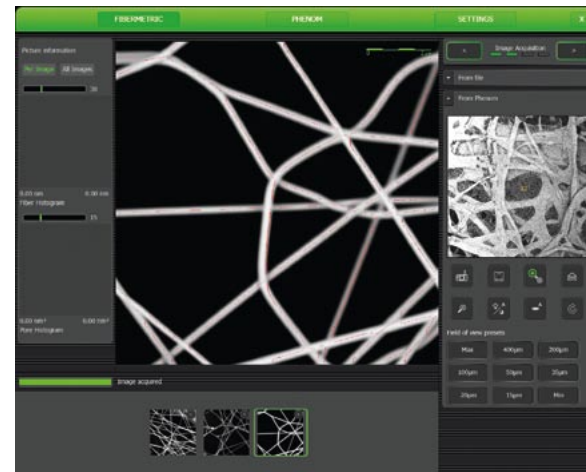
Based on the fastest scanning electron microscope (SEM) available today, the Fibermetric system has a sample loading time of less than 30 seconds. Fibermetric's automated measurement capabilities can speed up your process even further, generating all the data you need in the time it takes to load a conventional SEM. The system is designed to discover and quantify the properties of your woven and non-woven fiber samples in minutes.

Get all your statistical data, automatically

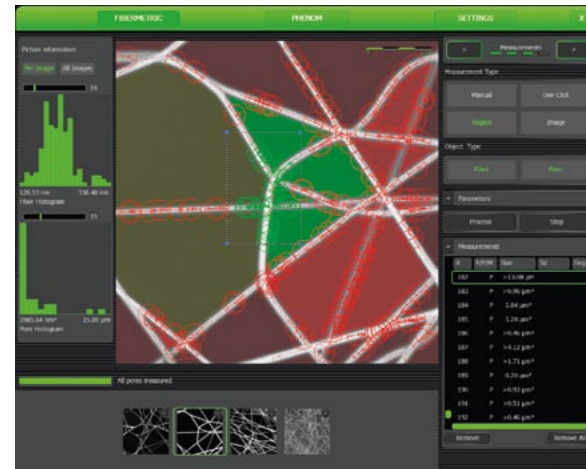
Why wait? With the Fibermetric system, you get all your statistical data automatically. It's fast and easy. Collect hundreds of measurements per image, and generate fiber and pore size distribution plots for quality control and for predicting application properties such as filtration efficiency.

See and measure nearly any micro and nano fiber

The Fibermetric system accurately images and measures almost any fiber sample. Nano fibers with diameters of 100 nm are routinely measured with high accuracy. The Fibermetric system delivers better data, faster, to improve your fiber material development and manufacturing.



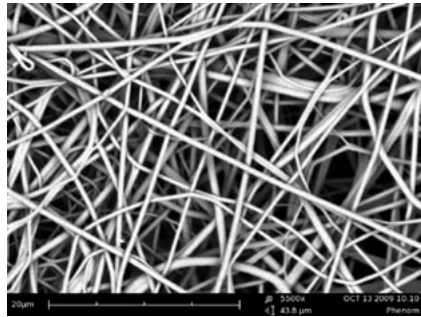
The Fibermetric system integrates automated fiber metrology and statistical analysis software with the world's fastest, easiest to use desktop SEM, the Phenom personal electron microscope.



The Fibermetric system gathers your statistical data automatically: up to 1,000 measurements per image or 100,000 per sample, to generate fiber and pore size distribution plots used for R&D and manufacturing support.

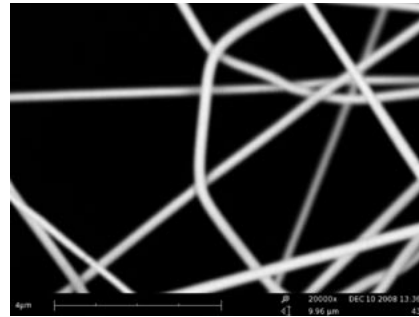
The perfect solution for your fiber applications

The Fibermetric system has the power and speed to help you to get the job done fast, whether your imaging and analysis require small or larger magnifications.



A Fibermetric image of an air filter at 5,500 x magnification. The average Fiber diameter is 527 nm.

Our innovative sample cup and load-lock deliver the fastest time-to-image of any electron microscope. A conventional SEM takes about five minutes to pump down – the Fibermetric system takes less than 30 seconds.



High efficiency electrospun air filter at 20,000x magnification, the average fiber diameter is 235 nm.



Stub Sample Holder

This standard holder is designed for high resolution imaging and can accommodate 3D type samples.



Charge Reduction Sample Holder

This (optional) holder virtually eliminates the need for sputter coating. Samples such as paper, polymers, organics, ceramics and coatings can now be imaged in their natural state, enabling more valuable backscatter material contrast information.

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