Phenom FiberMetric Software

Faster, more accurate fiber analyses

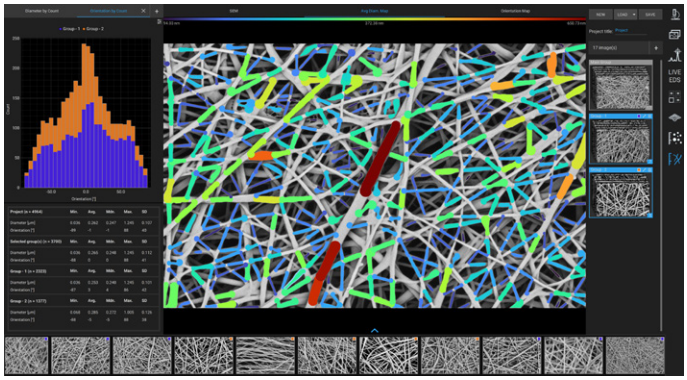
Thermo Scientific™ Phenom™ FiberMetric Software makes it quick and easy to directly observe and measure micro- and nano-fibers. In combination with a Thermo Scientific Phenom Desktop SEM, the software helps you measure and analyze complicated fiber structures from spunbound, electrospun, and meltblown fibers.

Using imaging data from a Phenom Desktop SEM, FiberMetric Software automates characterization. First, it automatically generates hundreds of measurements in seconds using algorithms that deliver accurate, reliable data—even for samples with large differences in fiber diameter. Then it analyzes those data points to provide complete statistical analysis. The data is displayed in an interactive histogram showing the distribution of fiber and pore size. This histogram and all the data can be exported in a variety of formats, or you can create a screenshot to use in reports and presentations.

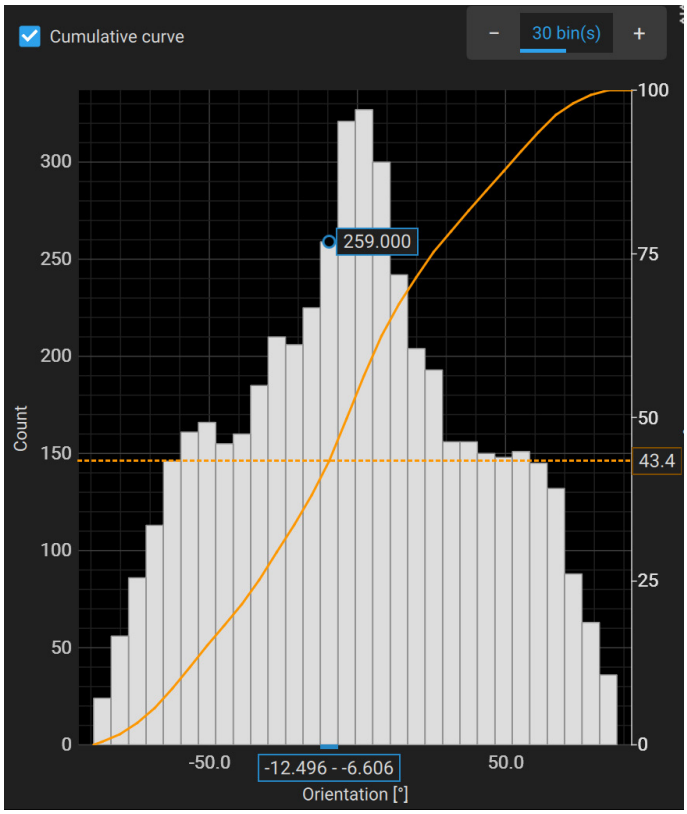
By automating measurement and analysis, FiberMetric Software saves time and delivers more consistent data. You no longer have to spend time manually measuring fiber diameter, and you don't have to worry about differences between operators.

FiberMetric Software can analyze fibers between 50 nm and 50 µm, making it useful for a wide range of applications. From investigating filtration materials to analyzing diaper paddings and much more, FiberMetric Software generates all the statistical data you need.

Key features
Saves time and reduces human error by automating measurements
Quickly and automatically collects all statistical data
Measures a large range of fibers and pores
Exports all data either statistically or as a raw data file
Accurately views and measures micro- and nano-fibers
Displays data in real time



Automatically analyze fiber diameter and orientation in seconds.



View measurements instantly in a customizable histogram.

FiberMetric Software specifications

Fiber analysis	
Fiber diameter range	50 nm – 50 µm
Quantity	More than 1,000 fibers per image
Measured properties	Diameter, orientation
Statistical parameters	Minimum, maximum, average, and standard deviation

Interactive data visualization

- Plot customizable histograms
- Individual fibers can be highlighted on the SEM image

Output

- Reports in ODT format
- Graphs in TIFF format
- CSV files contain all fiber measurements
- Project files (.phen) available for offline analysis

Data storage

- Network enabled storageGraphs in TIFF format
- Phenom integrated system

Learn more at **thermofisher.com/phenom**