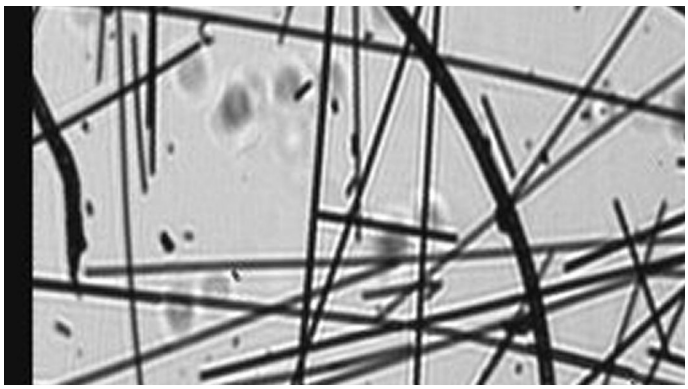
A World Breakthrough in Fibre Measurement Technology

Your Choice for the future, the established system for rapid, accurate diameter, curvature measurement.

Diameter Analyser for ultra fine micro fibre snippets



Advantages and benefits of OFDA5000

- 0.5µm to 60µm fibre diameter range
- spreadsheet output with 0.2µm resolution diameter histogram
- up to 20,000 fibre snippets measured per minute
- no operator bias from measurement
- standard 70mm square glass slides used, rapid sample preparation similar to OFDA100 instrument
- Much lower cost and much faster than electron microscope

OFDA5000
Ultra fine microfibre diameter measurement up to 20,000 fibre measurements per minute

OFDA5000 is the first rapid image analysis system to measure fibre diameter of snippets from 0.5-60 Micron. For fibre batch quality control and research,

OFDA5000 is a unique automatic image analyser that measures the mean and distribution of fibre diameter in micron, denier or decitex, (10,000 fibres in less than 1 minute).

OFDA5000 automatically calculates the mean and coefficient of variation (CV) of diameter when a sample is measured. The percentage of fibres below a chosen threshold can be easily calculated from the histogram that is saved in spreadsheet form.

OFDA is used at all stages of the chemical processing pipeline, from fibre to yarn and fabric. It is also used to measure manmade fibres, glass and ceramic fibres.

Much lower cost and much faster than electron microscope. Measuring hundreds of times more fibres without operator bias provides a more accurate measurement for quality control.

Measured values

- Fibre diameter distribution
- Fibre curvature

Statistical values:

- Mean value (mean fibre diameter in mm, denier or decitex)
- Standard deviation s
- Coefficient of variation CV%
- Histogram of diameter and curvature
- Fibre measurement points can be seen on the video screen.
- Fibre images can be saved in Windows format for including in reports
- All data can be exported to spreadsheets for research.

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