

Fiber Fineness Tester

This tester is used for determining the diameter of animal fibers such as wool and rabbit hair. It can also determine the fiber content of natural, artificial, mixed, and blended products.



Product Overview

Precision Fiber Analysis

This advanced fiber fineness tester utilizes cutting-edge digital image processing technology to provide accurate measurements of fiber dimensions. The integrated system combines microscopy, high-resolution imaging, and specialized analysis software to facilitate quality control and research in textile and material science. It supports diverse applications, including the measurement of animal, chemical, shaped, and hollow fibers, as well as cross-sectional morphology analysis.

Technical Specifications

Measurement Range

1 um

Min Range

2000 um

Max Range

Measurement Accuracy

0.01 um

Power Supply

AC220V 50Hz 100W

System Components

Included Hardware

- Computer
- CCD Camera
- Microscope
- Printer

Capabilities

Analysis Features

- Fiber diameter automatic measurement
- Cross-sectional morphology observation
- Cross-sectional area measurement
- Heterotypic fiber shape testing
- Blended product fiber content analysis

Work Modes

Manual Measurement, Automatic Measurement, Multi-point Measurement

Certifications

Compliance & Standards

CE • ISO 9001:2000 • SGS