

Linen Fiber Cross-Section Slicer

This slicer is used to prepare accurate fiber cross-sections of sample material. It facilitates fiber cross-section analysis under a microscope for testing and research.



Overview

Precision Fiber Analysis

This fiber slicer is a specialized laboratory instrument designed to produce precise cross-sections of fiber samples for microscopic examination. By enabling accurate sectioning, it allows researchers and quality control professionals to study fiber profiles, epidermis thickness, and pigment distribution. The device ensures consistency and reliability, making it an essential tool for textile research and forensic analysis.

Applications

Analysis Capabilities

- Fiber profile analysis
- Epidermis thickness measurement
- Medulla type and contour identification
- Pigment distribution study
- Dye penetration assessment

Compliance

International Standards

ASTM D2130, BS 2043, DIN 53811, ISO 137, IWSTM 24, IWTO 8-6

Technical Details

Operating Procedure

The detection process involves inserting a layer of defatted fiber into the upper part of the microtome using a suitable medium. Once the fiber bundle is secured on the ejector, the micrometer is utilized to determine the desired sample thickness before the blade is used to create the cross-section.

Certifications

Quality Certifications

CE • ISO 9001:2000 • SGS