

Image Recognizer for Cross-Cut

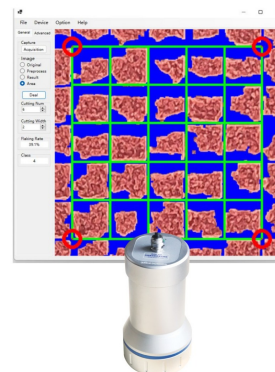
BGD 350

Product Description

Image Recognizer for Cross-cut Upon completion of the cross-cut test on the coating film, the operator must accurately assess the percentage of flaked area and make a classification.

Traditionally, this assessment has relied on the operator's naked eye. However, due to the difficulty in precisely quantifying the flaking area visually, there have been significant subjective differences in results or classifications, often leading to disputes. To address this issue and enhance the repeatability and reproducibility of cross-cut test results, Biuged has developed an instrument capable of automatically identifying the flaking area.

The BGD 350 Image Recognizer for Cross-cut comprises a hand-held cylindrical structure, designed for convenient placement on the cross-cut area pattern under evaluation. Equipped with a camera and an LED lamp featuring adjustable illumination intensity, this instrument utilizes computer digital image processing (visual automatic analysis) technology to capture photos of the cross-cut area. Subsequently, it analyzes and calculates the digital images, enabling quick and accurate results retrieval.



Technical Specification

- Different imaging modes are automatically selected by special hardware to optimize the contrast ratio of the surface being evaluated
- Automatic estimation of cutting quantity, cutting spacing, and width of cutting parallels, with manual adjustment available for precise measurement
- Automatic calculation of the proportion of flaking area and display of corresponding classifications

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Main Technical Parameters

- Maximum Assessable Range: 35mm×35mm
- Camera Observation Accuracy: 80px/mm
- Light Source: Combined LED white light source
- Language: English/Chinese
- Operating Temperature and Humidity Requirements:
 - 5℃ to 40℃
 - Relative humidity ≤80% (at 35℃)
 - No condensation
- USB Port: USB3.0 / 500mA
- Minimum System Requirement: Windows 10 / Windows 11 64-bit operating system, 4GB RAM
- Overall Size (Height × Diameter): 166mm×90mm
- Host Weight: Approximately 700g

Ordering Information: BGD 350 - Image Recognizer for Cross-cut

Disclaimer

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