Product name:
Carbon Black Dispersion Microscope for Plastic Tank Material

Product code:
CMI-IND-0172

Description

Transmitted-light microscope with camera for rating carbon black dispersion in thin microtomed polyethylene sections. Used by tank makers and compounders to avoid weak spots and UV failure.

Technical specification

- Microtome blades
- Rating chart set
- Hot stage

Thin slices are viewed at 100x and compared with rating charts or measured with software, so large agglomerates are found. Poor dispersion reduces impact strength and promotes UV cracks. The system produces image records of each batch for customer audits.

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Features

- 100x objective with camera
- Microtome sample preparation option
- Rating chart A1 - C5
- Image software with particle count
- LED transmitted light

Technical Specifications

Magnification	40x - 400x
Camera	5 MP USB
Section Thickness	10 - 30 um
Rating	ISO 18553 charts
Standards	ISO 18553, ASTM D5596
Power Supply	230 V AC, 50 Hz

Standard Accessories