

# TestOnix®

*Innovative & Smart Testing*



Carbon Black Dispersion Microscope

## Microscope

Working with the Carbon Black Dispersion Microscope involves more than merely operating the equipment; it also requires sample preparation, data analysis, and interpretation of the resulting images. The Carbon Black Dispersion Microscope is central to this process, providing essential tools for comprehensive material testing.



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## Important Standards & Specification

Several relevant standards exist for the application, evaluation, and interpretation of carbon black dispersion data in the polymer field. The carbon black dispersion microscope operates based on these standards to ensure accurate and reproducible results. A selection of standards commonly used for carbon black dispersion analysis of polymers is provided in the following table.

Standard	Description
General	
ASTM D2663	Standard Test Methods for Carbon Black—Dispersion in Rubber
ISO 18553	Method for the assessment of the degree of pigment or carbon black dispersion in polyolefin pipes

- 5MP camera for microscope mounting
- Microscope image display at 10 different light intensities
- Equipped with Image Analyzer software
- Calibrated slide for carbon black dispersion analysis
- Determination of overall sample grade and individual ranges
- Magnification: 1000x
- Equipped with four lenses





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