

DISPERGRADER™ α VIEW

Precision Dispersion Testing Analyzer

▶ Optical dispersion analyzer, generating superior repeatability and reproducibility.



▶ Built upon proven methodology, DisperGRADER™ α view utilizes the most modern technology available to radically expand the capabilities of optical dispersion analysis methods. A reflected light microscope designed for dispersion testing of carbon black in mixed rubber compounds, the system analyzes the shadows cast by agglomerates present in a freshly cut sample surface.

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Performance

The DisperGRADER™ is the perfect solution to efficiently analyze dispersion of a carbon black mixed compound. Knowing the dispersion of a mixed compound allows the customer to optimize process parameters and verify quality of the mix, which has been proven essential for improving processability and final mix properties. The instrument's autofocus ability allows for fast and consistent analysis, which highly increases testing efficiency and precision. Once the data is created, the Enterprise™ software organizes data into reports and can perform analysis that allows the user to statistically control the manufacturing process. With customized reports, the customer will be able to analyze and easily convey quality information data using histograms and image-based analysis.

Features

Image analysis software

Automatic and manual scanning capabilities

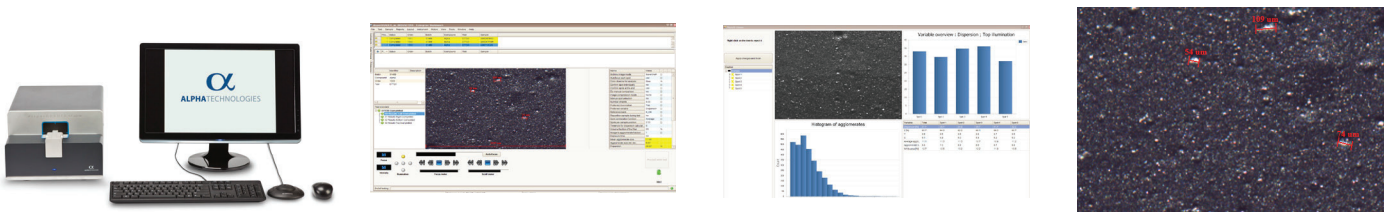
Laterally translating camera on precision rail system

Benefits

Determines size, number and location of agglomerate

Allows combination of efficiency for production environments and precision for R&D

Allowing for Multiple data point acquisitions per single sample placement resulting in more reliable data



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Specifications

Testing Standards:

Meets ASTM D7723 and ISO 11345 (Methods C, D, and E)

PC and Monitor included

Electrical:

100-240VAC, 1.3amp, 50/60 Hz

Dimensions:

W:18.8 in (47.8 cm), D:11.7 in (29.7 cm), H:7.9 in (20.1 cm)

Weight:

40.5 lbs (18.4kg)

Aperture Size:

0.472 in (12 mm) x 0.236 in (6 mm)