

DisperGrader™ αview

Precision Dispersion Testing Analyzer

Built upon proven methodology, the DisperGrader™ αview utilizes modern technology to radically expand the capabilities of optical dispersion analysis methods. Using 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.

Features

- Autofocus for fast and consistent analysis
- Multiple data point acquisitions per sample placement
- Laterally translating camera on precision rail system
- Four position LED lighting system
- Automatic and manual scanning capabilities
- Histogram, analytical data, and image database
- 5 preloaded and user-defined image banks
- Color camera
- Image analysis software determines size, number and location of agglomerates
- PC and monitor included

Performance

- Repeatable and reproducible results
- Operates using Enterprise software, a flexible LIMS software based on a SQL server database

Options

- DisperGrader™ αview SR – 3-57 microns
- DisperGrader™ αview HR – 1-20 microns
- Sample prep

DisperGrader

Specifications

Electrical:	100-240 VAC, 1.3 amp, 50/60 Hz	ASTM Standards:	Meets ASTM D7723 and ISO 11345 (methods C, D, and E)
Weight:	40.5 lbs (18.4 kg)	Dimensions:	Width: 18.8 in (47.8 cm) Height: 7.9 in (20.1 cm) Depth: 11.7 in (29.7 cm)
Aperture Size:	0.472 in (12 mm) x 0.236 in (6 mm)		

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