

# disperGRADER+

Reflected light microscope to measure the dispersion of carbon black in mixed rubber compounds.



**ALPHA**TECHNOLOGIES  
A Dynisco Company

A reflected light microscope designed to measure the dispersion of carbon black in mixed rubber compounds. The system uses the shadows cast by agglomerates present in a freshly cut sample surface.

## Features

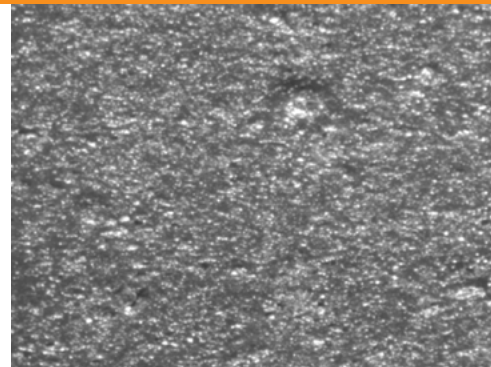
- 100X microscope.
- Autofocus.
- disperGRADER software runs tests.
- disperDATA software stores results and prints reports.
- Five dispersion scales available to cover a wide range of compounds.

## Specifications

<b>ELECTRICAL:</b>	80/250 VAC $\pm$ 10%, 47/63 Hz, 2 amp
<b>DIMENSIONS:</b>	Width 16.5 cm (6.5 in), height 27.9 cm (11 in), depth 54 cm (21.3 in)
<b>WEIGHT:</b>	Net 10.2 kg (22.5 lb)
<b>APERTURE SIZE:</b>	4 x 3.5 cm (0.16 x 0.14 in)
<b>SPECIMEN SIZE:</b>	10 x 10 x 25 mm (0.4 x 0.4 x 1.0 in)



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*Typical image of cut surface on uncured rubber. Visual method grades this image using standard images.*

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Reflected light microscope to measure the dispersion of carbon black in mixed rubber compounds.

## Performance

- Quantify the dispersion of carbon black agglomerates in mixed rubber compounds.

## Options

- Computer.
- Uncured sample preparation system.

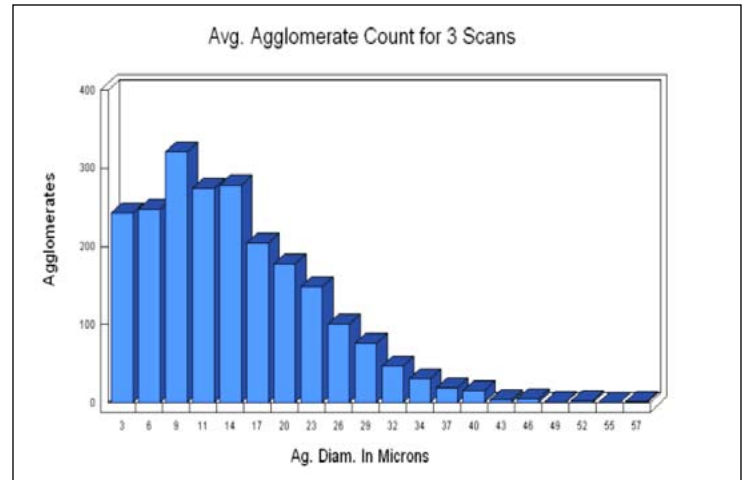


Image analysis with software determines the size and number of agglomerates.



Uncured sample prep system.