

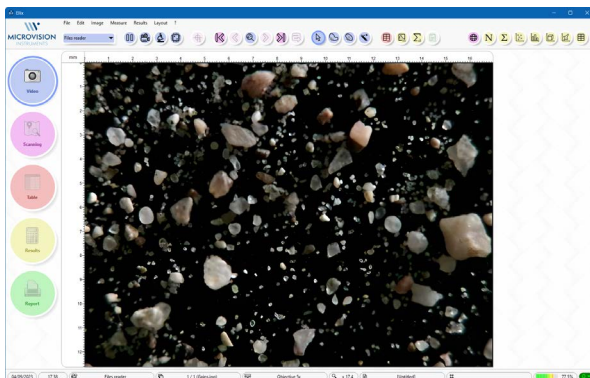


ELLIX[®]

ELLIX

- ✓ Object modelling according to 5 models: elliptical, rectangular, rhomboidal, circular, square
- ✓ Shape recognition with particle separation
- ✓ Size distribution by shape
- ✓ Automatic measuring

FROM IMAGE ACQUISITION



TO RESULTS

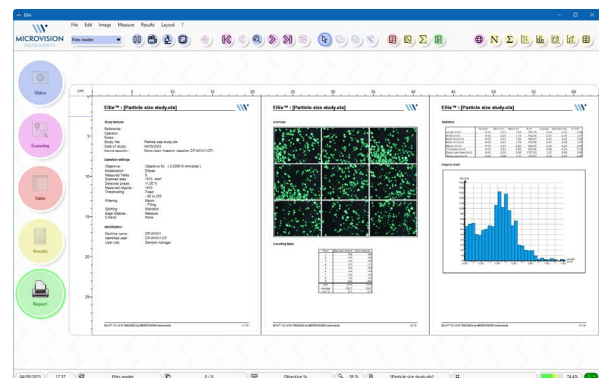
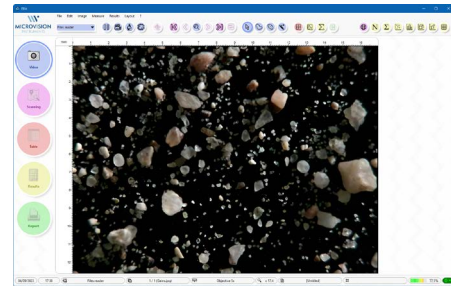


IMAGE ACQUISITION

Digital camera connected to the lens

Image scanning - Real-time on-screen display

Instantaneous results displayed in presentation palette



MEASUREMENTS

Thresholding and image processing

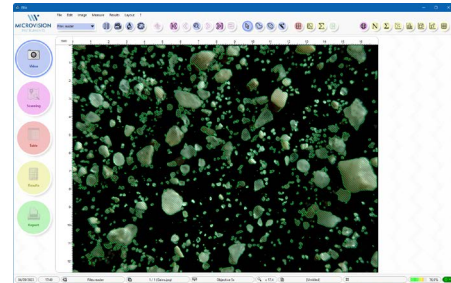
Object modeling

Measurements:

Length	Minor axis	Orientation of the models
Width	Major axis	Diameter
Area	Position	Area of the objects

Form factors:

Elongation	Eccentricity	Aspect ratio
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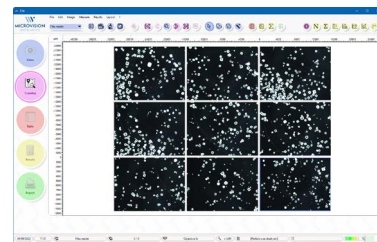


MESUREMENTS RECORD

Repeatable analysis: cumulative results on an unlimited number of fields

Check and verification of measurements

Automatic reposition of measured field (motorized scan)



RESULTS

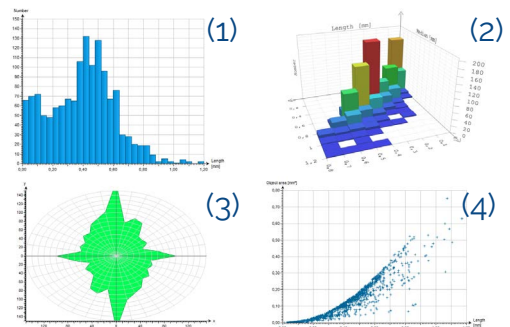
Histogram and parameters ⁽¹⁾

3D histogram to correlate 2 measurements ⁽²⁾

Directional rose ⁽³⁾

Measurements table

X, Y chart ⁽⁴⁾



REPORTS EDITION

Graphical representation module :
(customizable axes and scales)

Distribution histogram	Scatter plot diagram	Directional rose
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Statistical calculations

Customized report

