

MIPAR Image Analysis Solutions for Metals and Manufacturing Industry

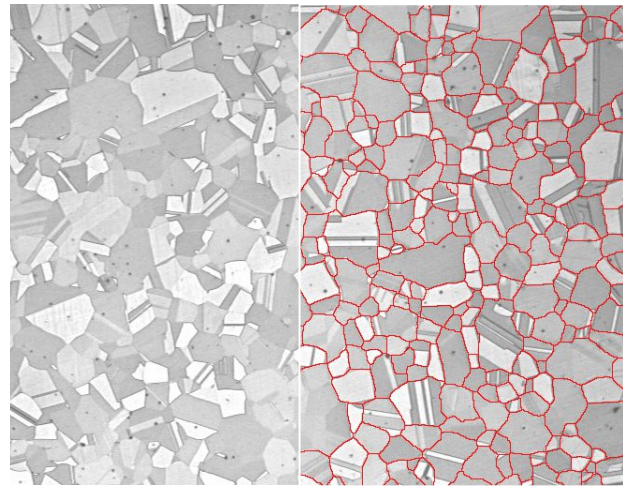


MIPAR
Image Analysis Software

- **Improve throughput** and productivity, increase accuracy and standardize image analysis while driving innovation in materials design and manufacturing process.
- **Use power of deep learning** to accelerate research and stay ahead of your competition.

Grains

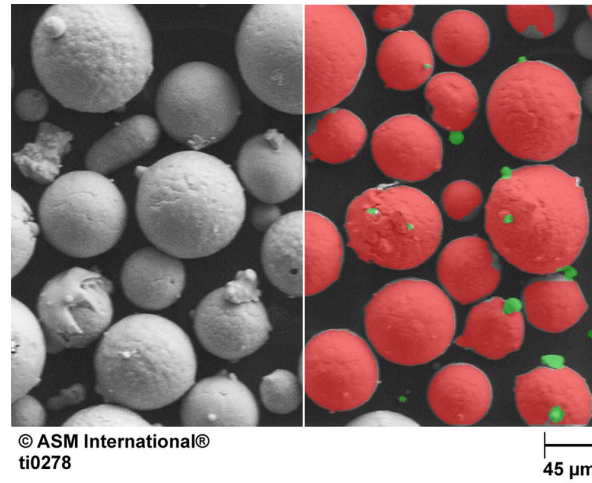
- Measurements meet ASTM – E112 grain size guidelines
- Automated measurement of complex grains



Complex classification of grain boundaries and grains

Powders

- Automated size and shape measurements
- Particle agglomerates and overlapping powders analysis

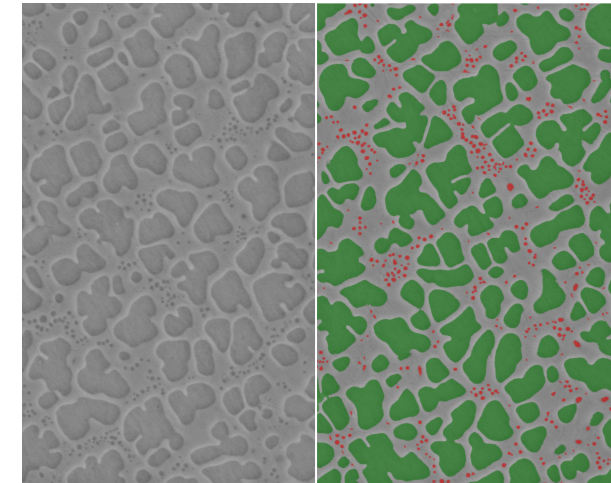


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Satellites analysis in primary powders

Phases

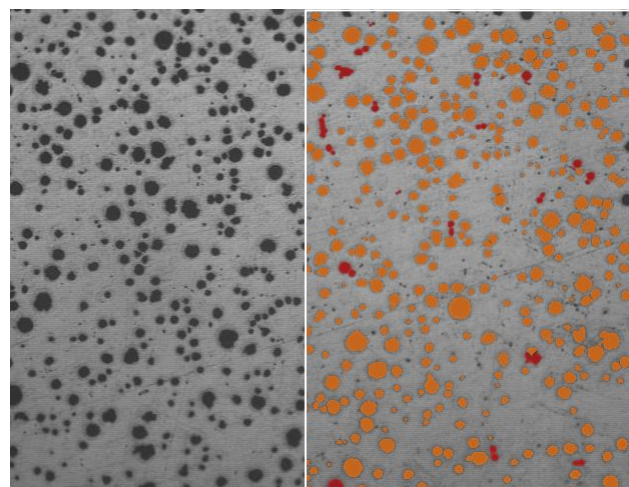
- Complex phase fraction measurements
- Ignore defects, pores or scratches



Secondary and tertiary gamma prime precipitates

Inclusions

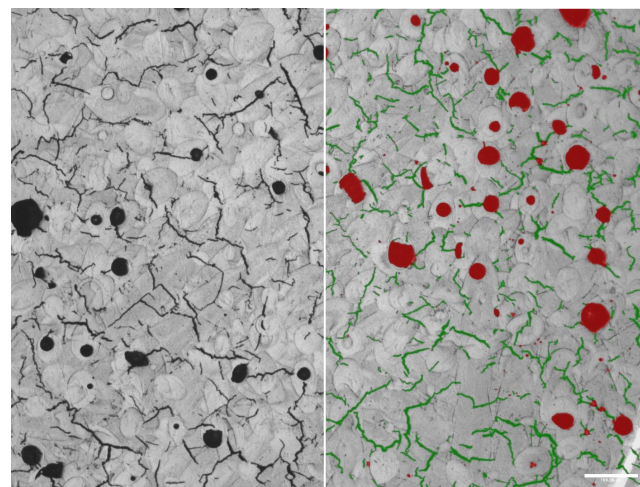
- Measurements meet ASTM – A247 guidelines
- Nodularity percentage analysis



Non-nodular Graphite and Nodular Graphite analysis

Defects

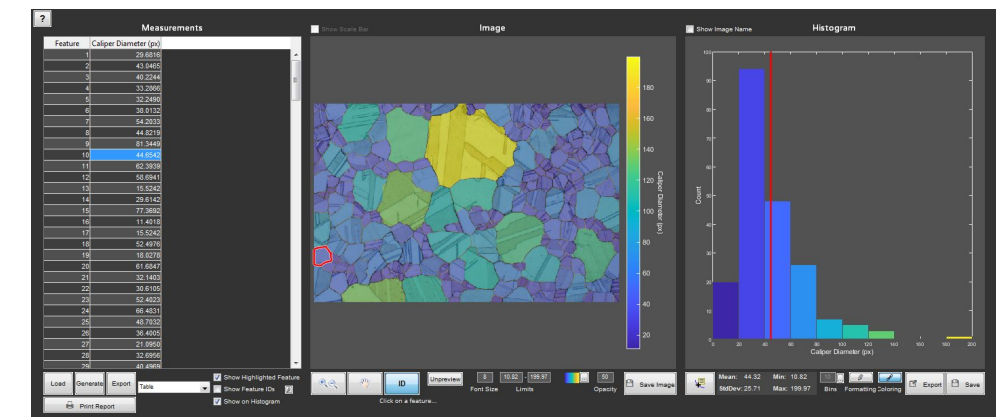
- Cracks and pores analysis
- Area fraction and number density measurements of defects



Pores and cracks identification

Results

- Easy and quick visualization of results
- Export data (table, images, histograms)
- Measurement reports
- Automatically analyze batch images



Solutions for steels, aluminum, copper, titanium, nickel superalloys, additive manufacturing and failure analysis.

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