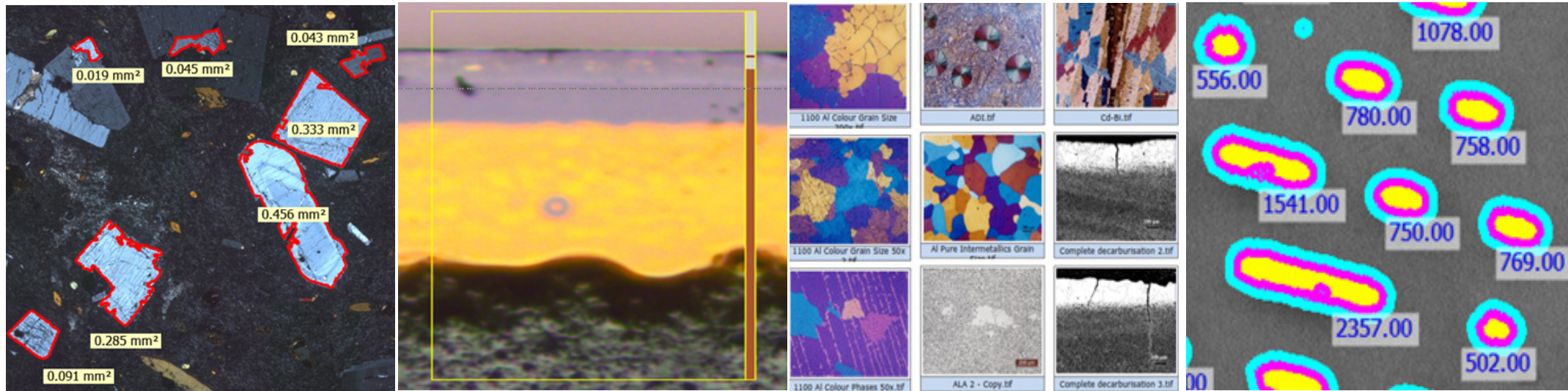


Living up to Life

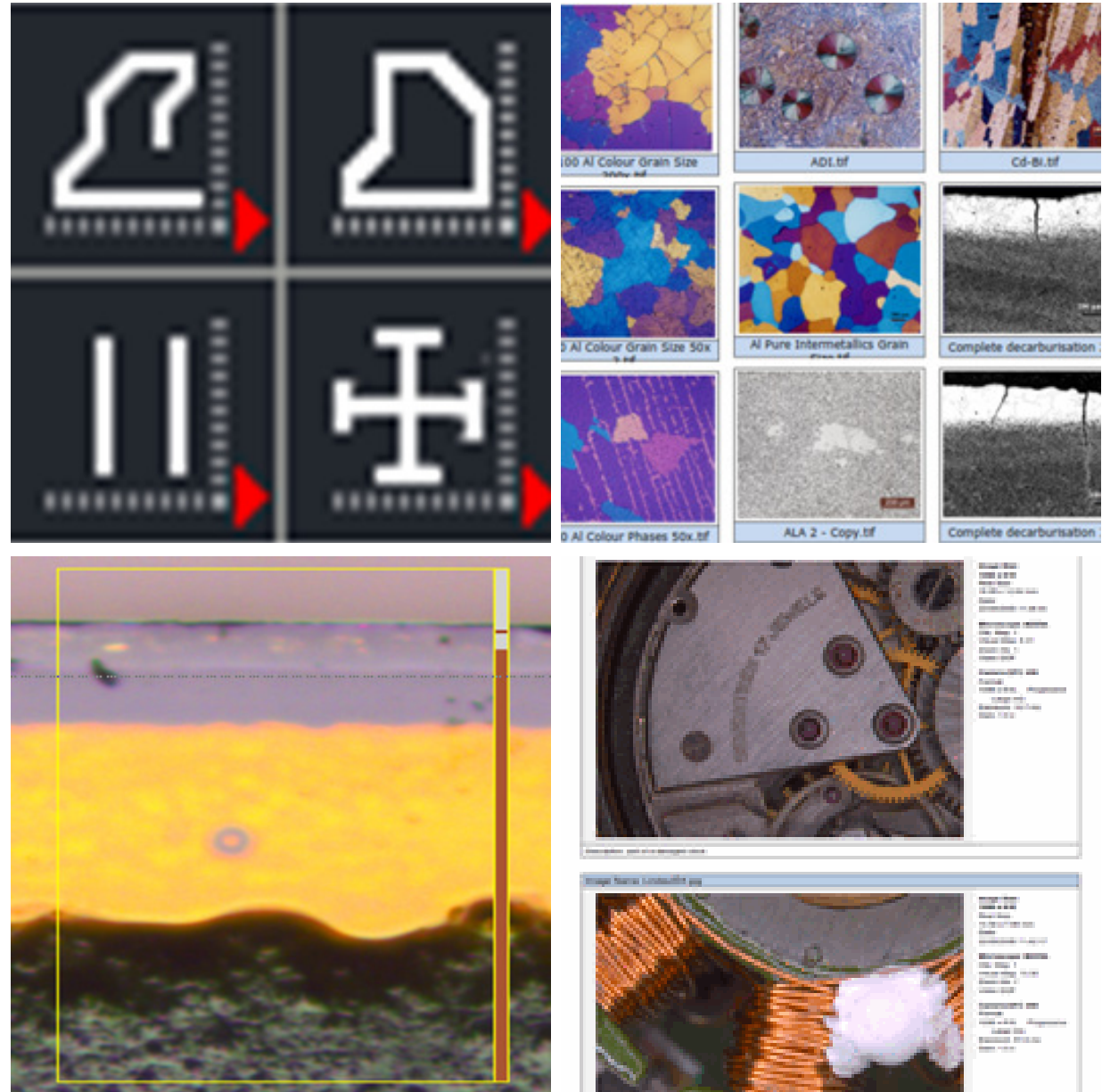


LAS V4.2 – Summary of New Advantages

Core, Modules, Experts, Macro

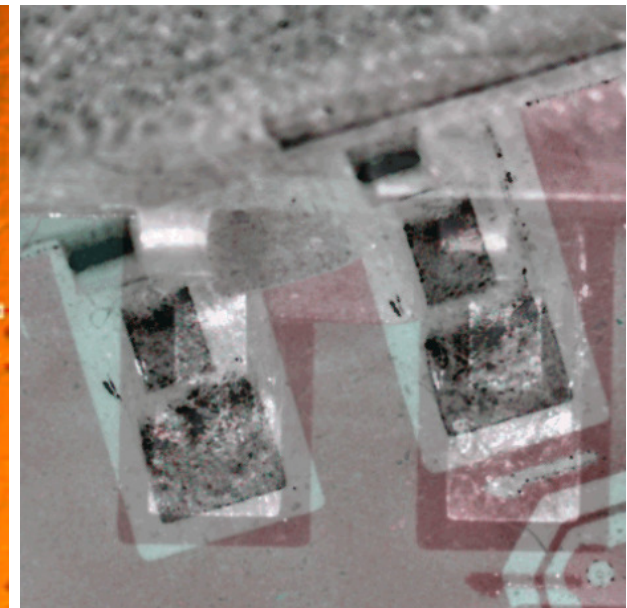
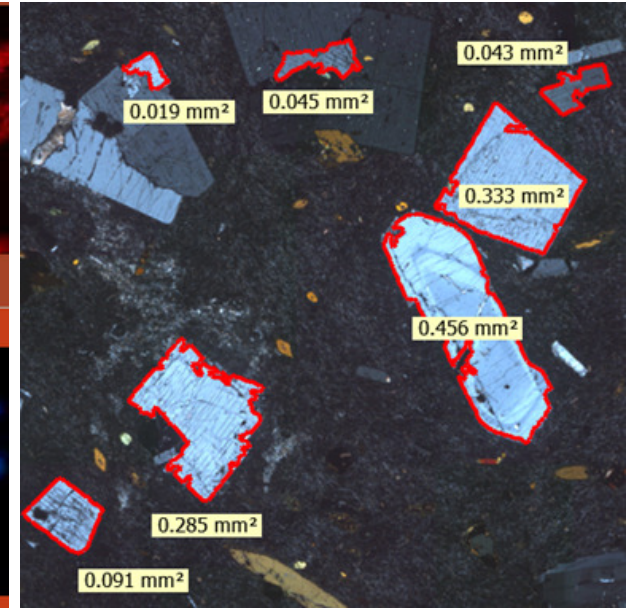
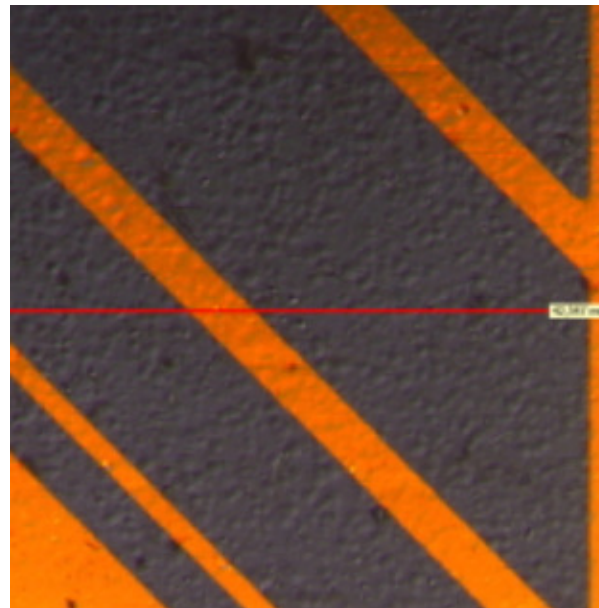
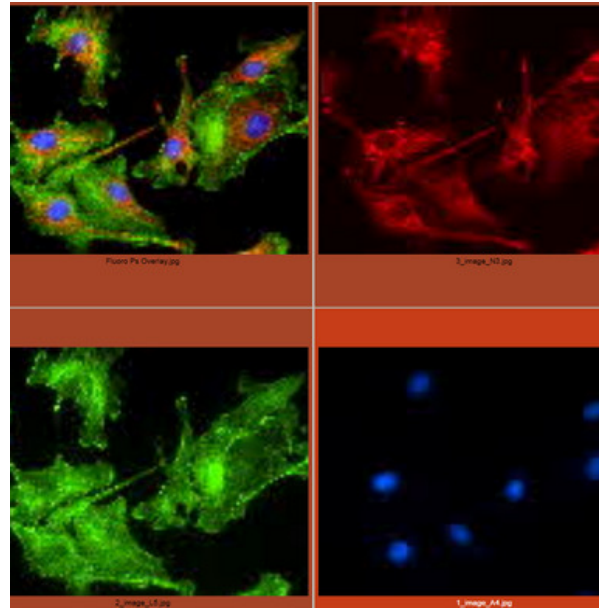
LAS V4.2 – New Core Advantages

- Enhanced camera software
 - For easier focusing and demo use
- Hints for hidden actions
 - Red triangle help you find right-click actions
- New Easy reporting
 - Detailed multi-image reports with choice of layout
- New utility features
 - Rename
 - Simplify Exit

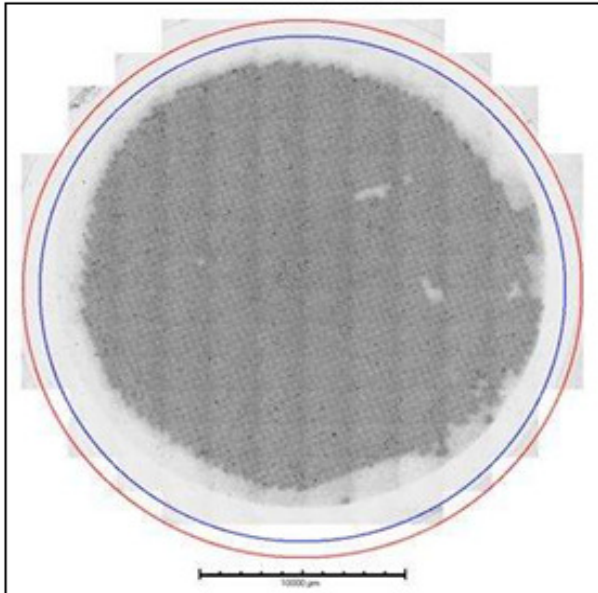


LAS V4.2 – New Module Advantages

- Area by autotrace
 - For faster measurements
- Long distance line
 - Measure beyond the field of view
- Fast rotation of master comparison image
 - For easier alignment
- Overlay using any images
 - Whatever the source of images
- Guided stitching mosaic
 - Overcoming camera rotation and stage accuracy
- LIB now has:
 - Scale bar, coloured background and improved live resolution



- | Sample information | | | |
|--------------------|-----------|--------------------|--------|
| Sample | Injector | Cleaning liquide | XL-O12 |
| Customer | OL-01-11 | Extraction methode | std. |
| Sample number | 157-65-8k | Comments | - |
| # of samples | 10 | Comments | - |
- | System Settings | | Calibration [$\mu\text{m}/\text{Pix}$] | 2,05 | Configuratio test | |
|-----------------|---------|--|---------|-------------------------|---------------------|
| Microscope: | DM6000M | Exposure [ms]: | 30,0 ms | Filter Diameter [mm]: | 45 |
| Objective: | 5x | Gain: | 0,0 x | Measured Diameter [mm]: | 40 |
| C-Mount: | 0,5 | Gamma: | 1,36 | Extrapolation: | Off |
| Aperture: | 10 | White Level: | 255 | Full Volume [l]: | 0 |
| Lamp: | 240 | Black Level: | 0 | Used Volume [l]: | 0 |
| | | Threshold: | 0-79 | Normalisation: | 500 cm ³ |
- | Results | | | | Edited: Edited | |
|--------------------------------|-------------|-------------------|------|----------------------------------|----------|
| Specimen ID: | Specimen ID | | | Operator: | Operator |
| Overall results: | n.OK | By Length Result: | n.OK | By Breadth Result: | -- |
| Contamination Number By Length | 1026660 | | | Contamination Number By Breadth: | -- |
- Filter Overview**



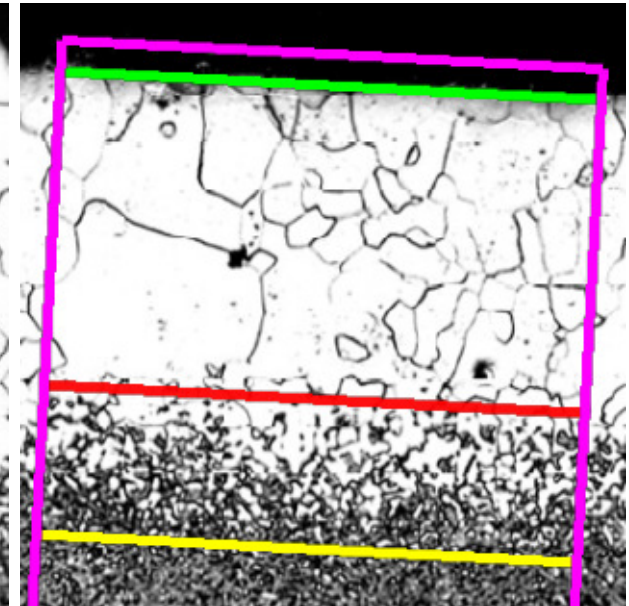
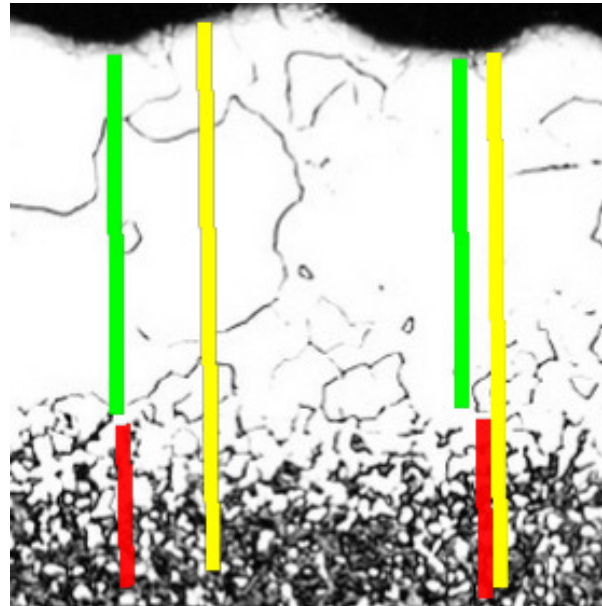
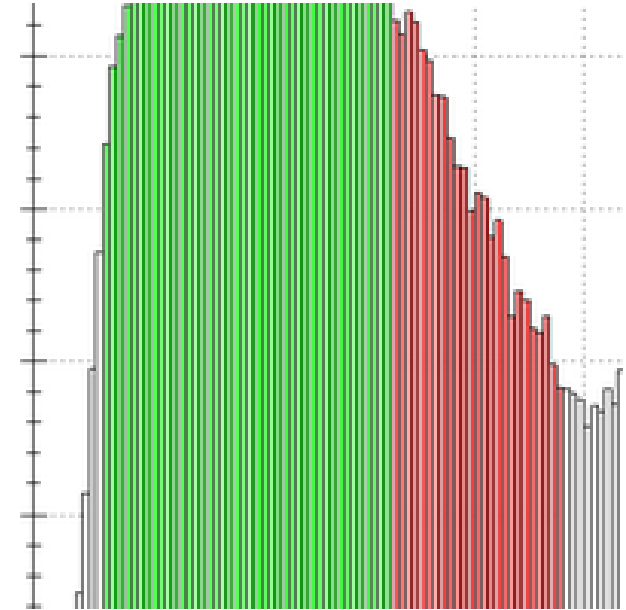
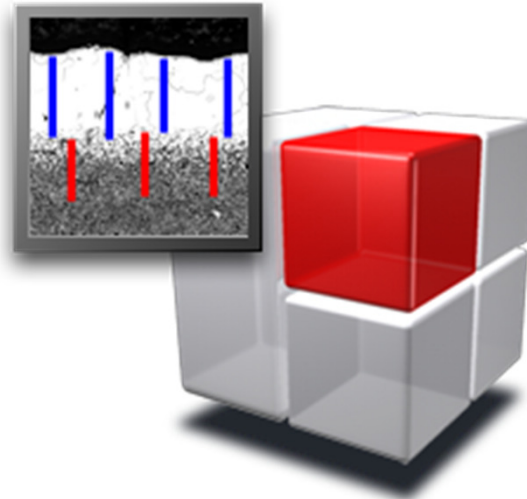
Total Number of Particles on filter

56794

	%
Reflective Particles	11
Non-refl. Particles	72
Reflective Fibres	4
Non-refl. Fibres	13

New Leica Decarburisation Expert

- Estimates Decarburisation Depth
 - Complete, Partial and Total regions
 - Manual and Automatic methods
 - Customisable Excel report
- ✓ With all the advantages of LAS image acquisition



Interactive Automatic Runner

Review Measurement



Please review the measurements made on this image and select what to do next:

Remeasure with new start line.

Accept these measurements.

Reject to ignore this image.

Click Continue

Select Action - Auto

Current Decarb Depth

Complete

75.73

Total

116.50

Partial

40.78

Choose what to do

☐ Remeasure

Edit

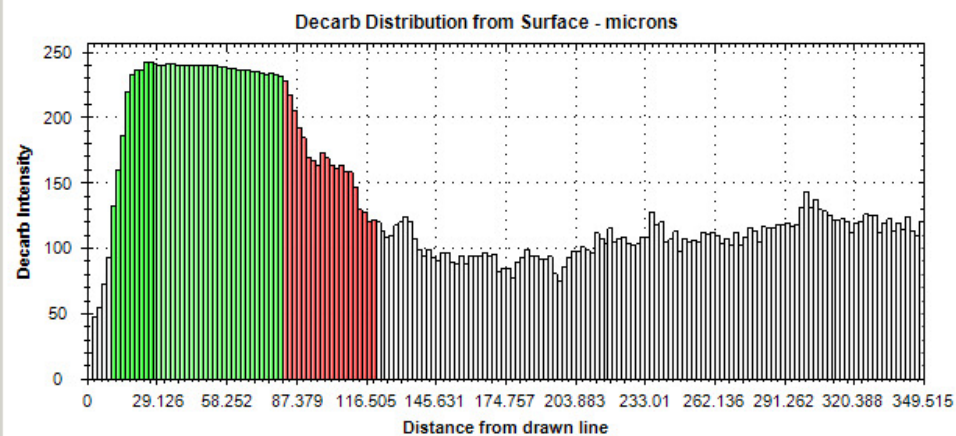
☒ Accept

☐ Reject

☒ Show Decarb Profile

Continue

#1 Feature Histogram

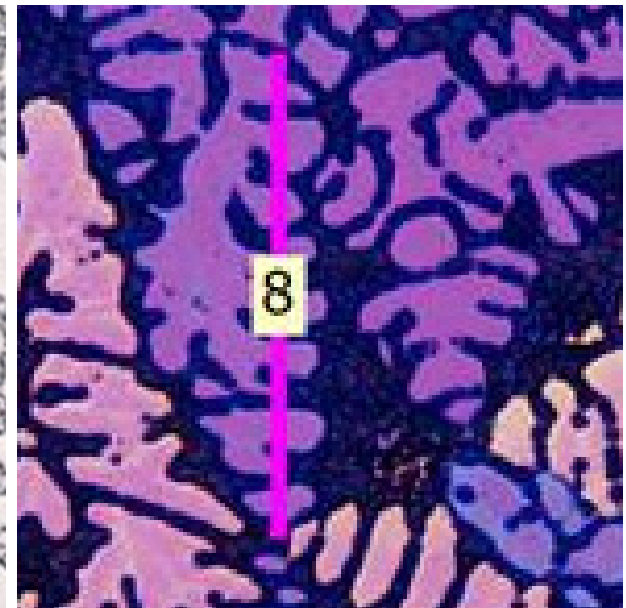
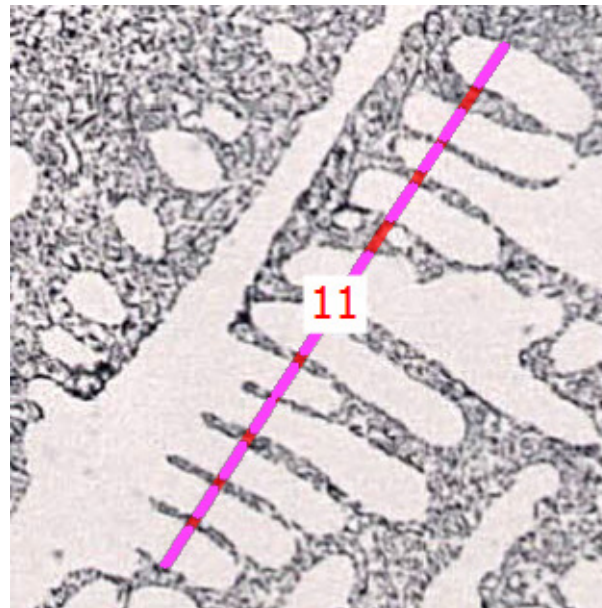
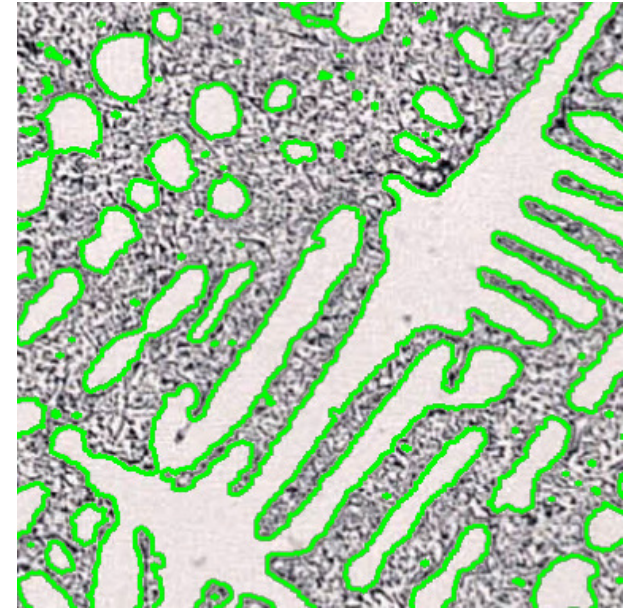


Show Axis Options

Show Bin Details

New Leica Dendrite Expert

- Measures Dendrite arm spacing
 - Semi-automatic for high-contrast sample
 - Manual method when dendrites are not clear
 - Customisable report
-
- ✓ Extends the range of materials solutions in LAS



Interactive Automatic Runner

Measurement



Please check that the images you wish to measure have been acquired

Then click the Select and Measure button below

Measure

Select and Measure Images

Method - Semi-automatic measurement

Select and Measure

Dendrite Summary

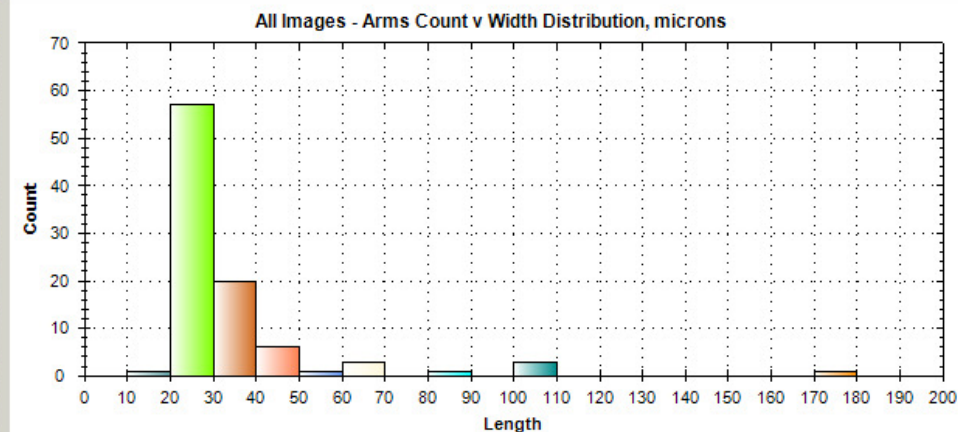
	Current	All Images
Arm Count	31	106
Spacing	32.0	33.6
Dendrite Count	4	15
Total Length	991.8	3559.2

Units - microns

☒ Show Details

Back to Menu

#1 Feature Histogram



☒ Show Axis Options

☐ Show Bin Details

Summary of All Results

Accumulated Dendrite Results, microns

Number of Images = 3 Specimen Area = 2583923.37

Dendrites

Arms

Gaps

Count

Length

Count

Spacing

Count

Mean Width

15

3559.184

106

33.577

94

12.505

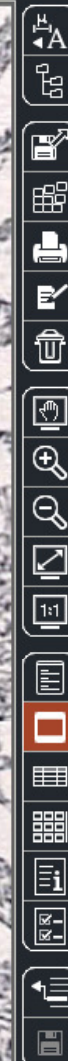


Continue

Save

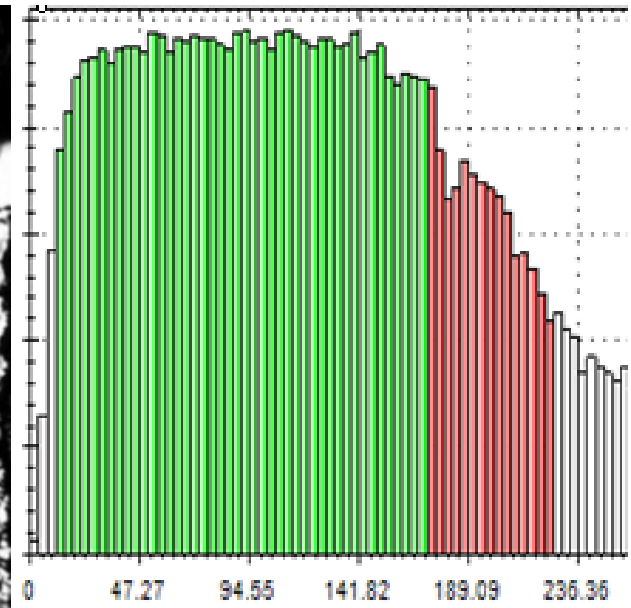
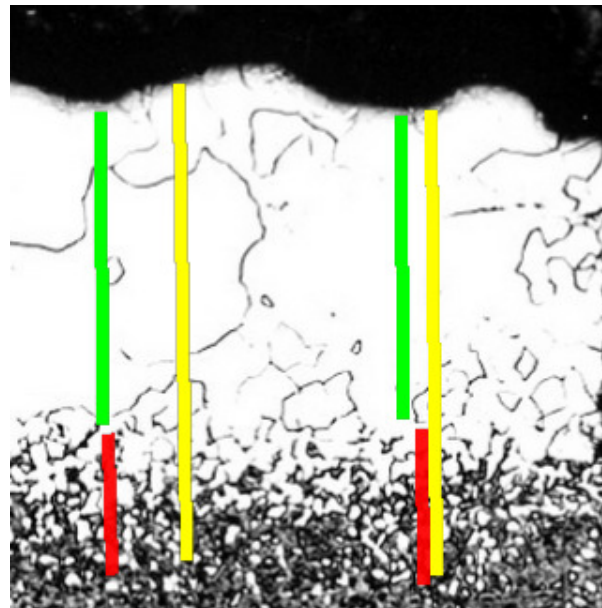
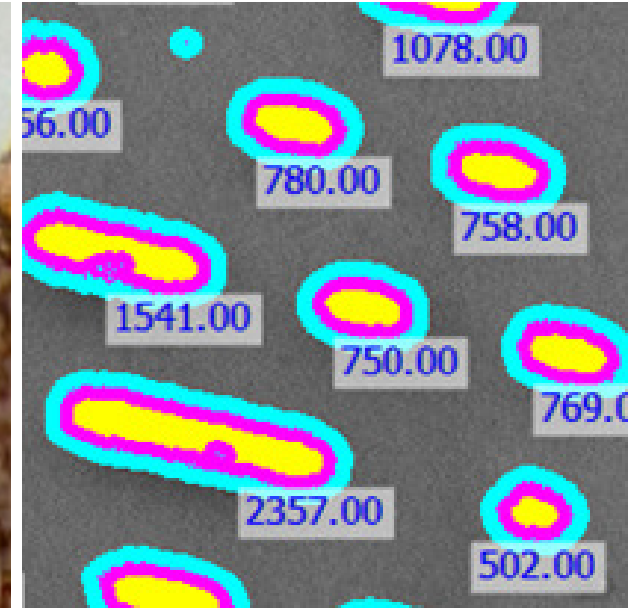
Clear

Close

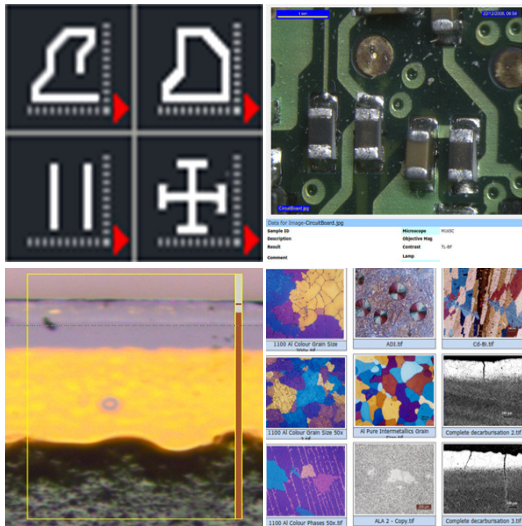


LAS V4.2 – New Macro Advantages

- Simpler Interactive Measurement panel
- New Camera control instructions
- Scaling and import of 16-bit images
- Easier image selection in Create Report
- Enhanced Cast Iron Expert
- ✓ Extends the application solutions possible with macro



Leica Application Suite



New LAS
Advantages
Thank You