2021 Virtual CCMPP Workshop

November 8, 2021

Clemex PSFilter 2 presentation

About Clemex

Founded 30 years ago

Creators of Vision PE image analysis software

Integrators of automated microscopy solutions

Specialists in image quantification

CLEMEX

Product cleanliness and determination

IEST-STD-CC1246E

Challenges :

- Simplified interface
- Consistency of the measurements
- Speed and efficiency of the analysis process
- Multiple samples to reduce handling time
- Accessibility to the results for the test review

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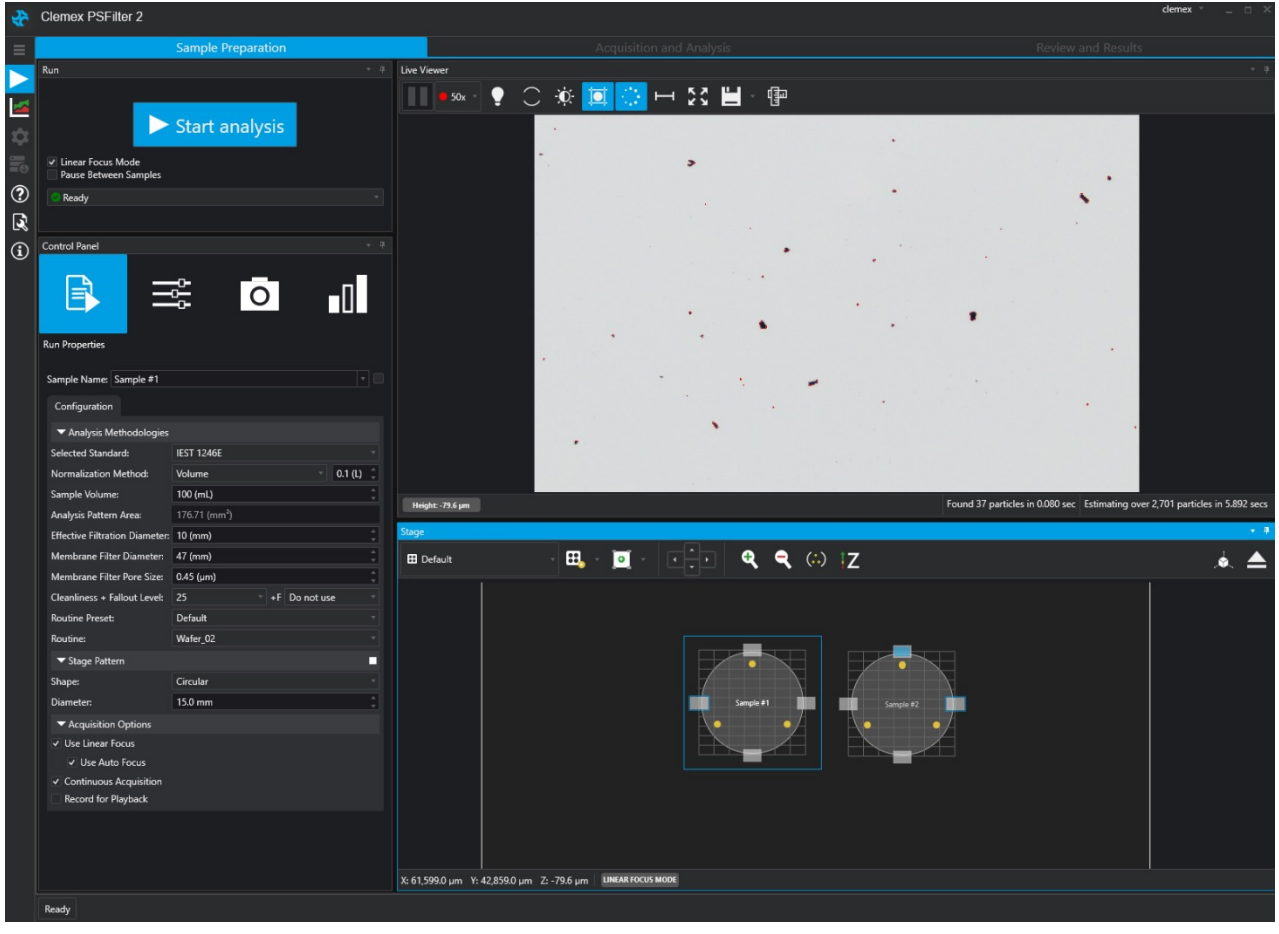
PSFilter 2 setup



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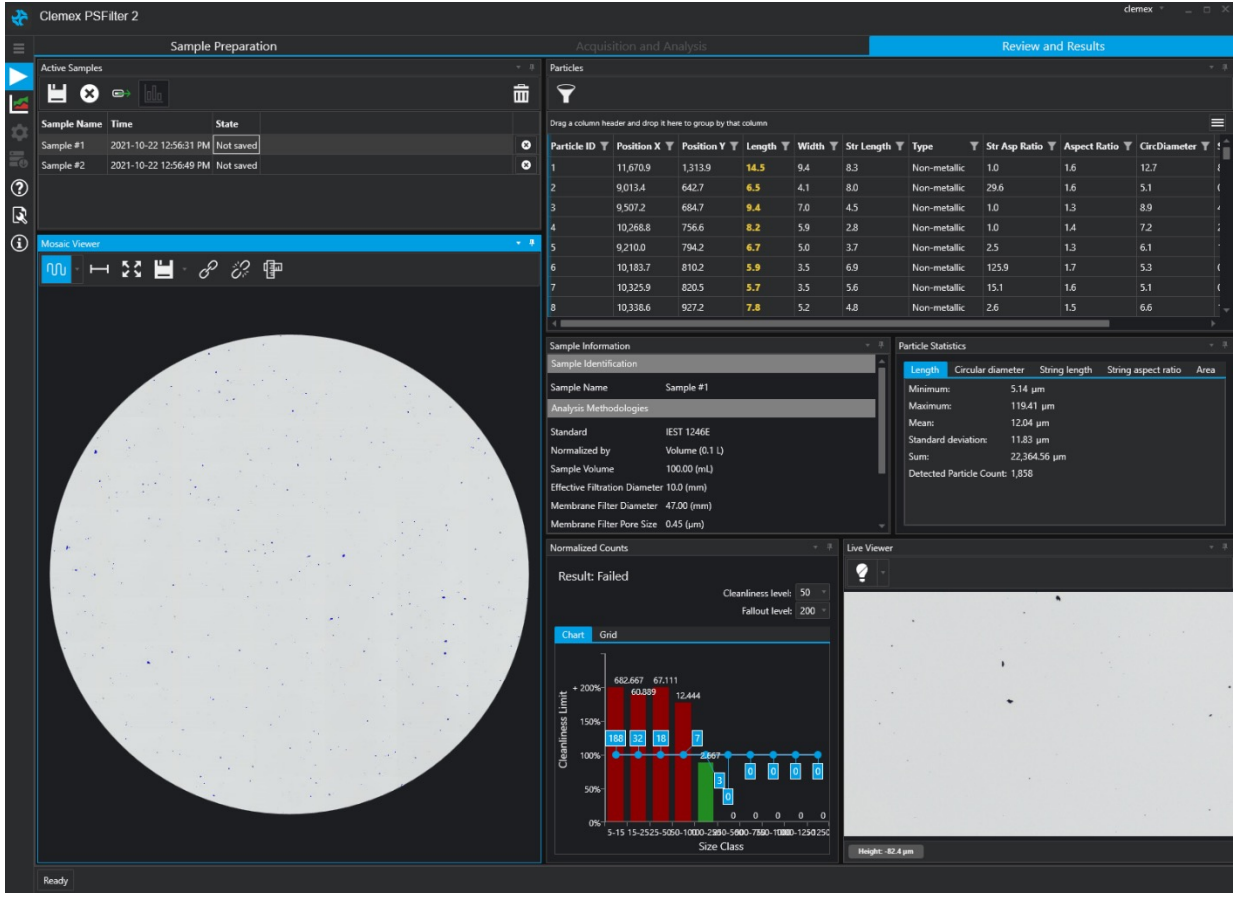
PSFilter 2 Page result



Report format

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Cleanliness Evaluation Report

IEST-STD-CC1246E

SAMPLE IDENTIFICATION

Sample Name: Sample #1

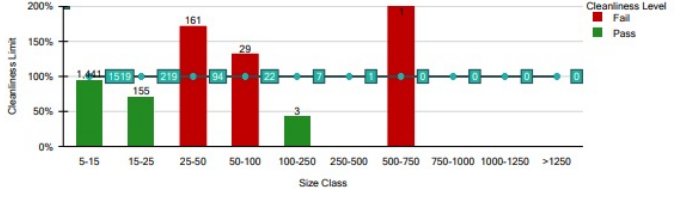
METHODOLOGY

Analyst:	clemex	Target Level:	100 (Fallout: 300)
Date:	2021-10-22 1:11:59 PM	Sample Effective Area:	N/A
Selected Standard:	IEST 1246E	Sample Volume:	100.00 mL
Magnification:	50x	Analysis Pattern Area:	176.71 mm²
Calibration:	1.1710 µm/pixel	Effective Filtration Area:	176.71 mm²

RESULTS & STATISTICS

Global Result:	FAILED	Particle Count:	1,790
Normalization Method:	Volume (0.1 L)	UCL:	1,874.87
Particle Area Coverage:	0.1448%	LCL:	1,708.97

NORMALIZED COUNT CHART



NORMALIZED COUNT GRID

Size class	Result	Limit	Particle Count	Metallics	Non-Metallics	Fibers
5-15	Pass	1,519.00	1,441.00	4.00	1,437.00	0.00
15-25	Pass	219.00	155.00	0.00	155.00	0.00
25-50	Fail	94.00	161.00	0.00	161.00	0.00
50-100	Fail	22.00	29.00	0.00	29.00	0.00
100-250	Pass	7.00	3.00	0.00	1.00	2.00
250-500	Pass	1.00	0.00	0.00	0.00	0.00
500-750	Fail	0.00	1.00	0.00	0.00	1.00
750-1000	Pass	0.00	0.00	0.00	0.00	0.00
1000-1250	Pass	0.00	0.00	0.00	0.00	0.00
>1250	Pass	0.00	0.00	0.00	0.00	0.00

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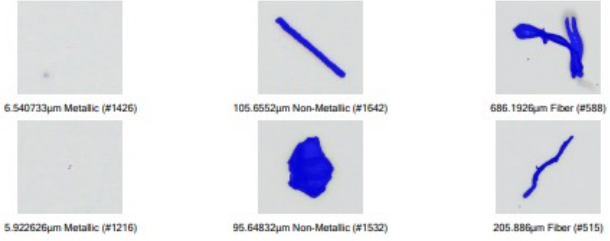
Cleanliness Evaluation Report

IEST-STD-CC1246E

LARGEST PARTICLES



6.540733µm Metallic (#1426)

105.6552µm Non-Metallic (#1642)

686.1926µm Fiber (#588)

5.922626µm Metallic (#1216)

95.64832µm Non-Metallic (#1532)

205.886µm Fiber (#515)

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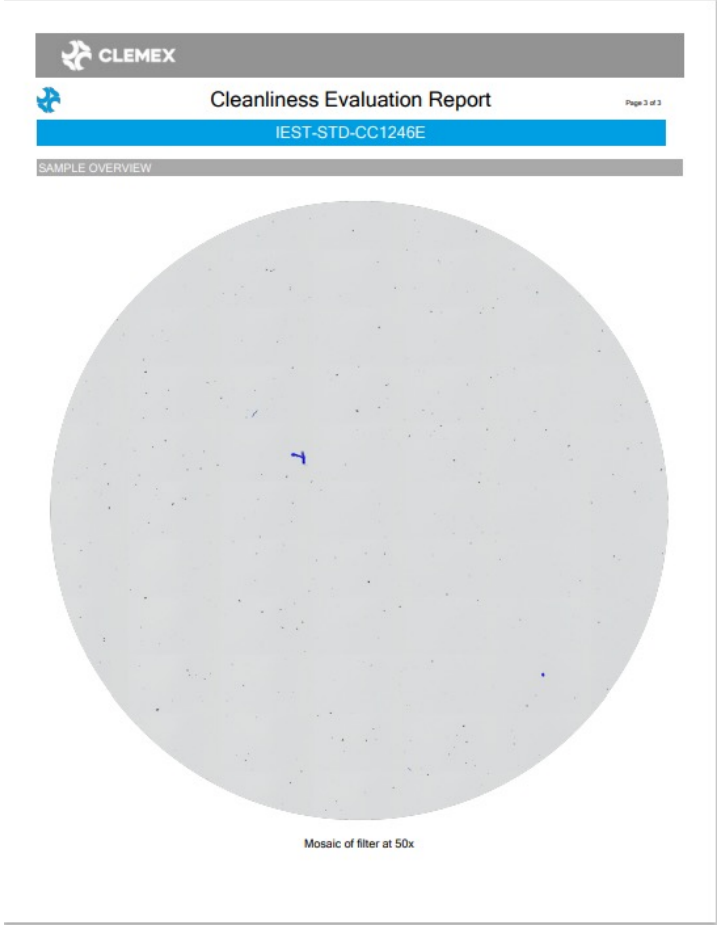
Report showing all the scanned area



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We will now proceed with the live demo on 2 wafers

Thank you

www.clemex.com