



# PFO 1000 Series

*Surface Particulate Monitor  
for Clean Environments*

## REAL-TIME SURFACE PARTICULATE DEPOSITION MONITORING FOR CLEAN ENVIRONMENTS

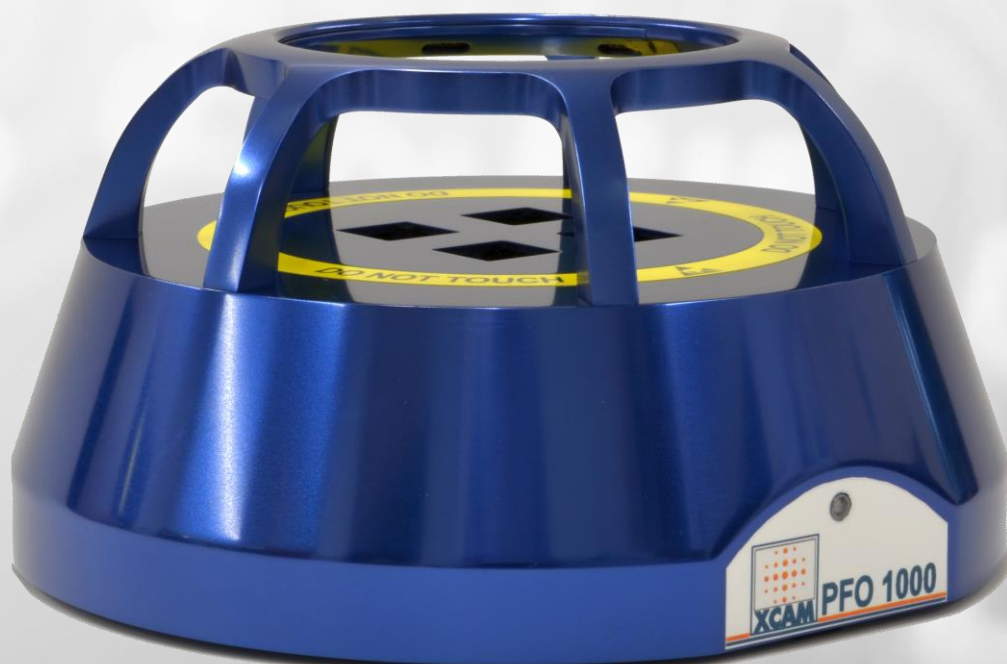
- Real-time
- Automated
- In-situ
- High-resolution
- Reliable technique
- Shape analysis
- Cleanliness alerts

XCAM's PFO1000 series provides real-time monitoring ensuring particle fall-out trends can be tracked, contamination incidents can be identified as they occur, and the time and cost of monitoring is reduced by removing the need for samples to be retrieved. Alarms can also be triggered when cleanliness limits are exceeded.

## APPLICATIONS

- Aerospace
- Automotive
- Semiconductor manufacturing
- Advanced manufacturing

Featuring XCAM's patented Direct Particle Detection (DPD) technology, the PFO 1000 series uses high performance silicon sensing to directly observe particles settling on the surface of the sensor. Advanced recognition algorithms detect particle size and profile, providing particle size distribution statistics.

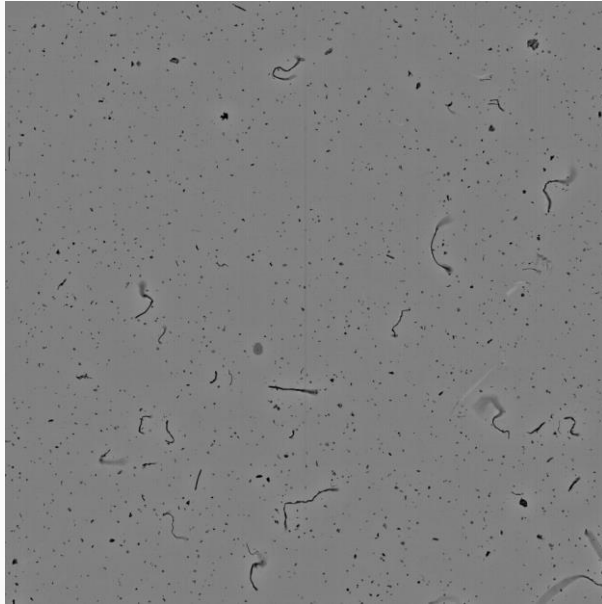




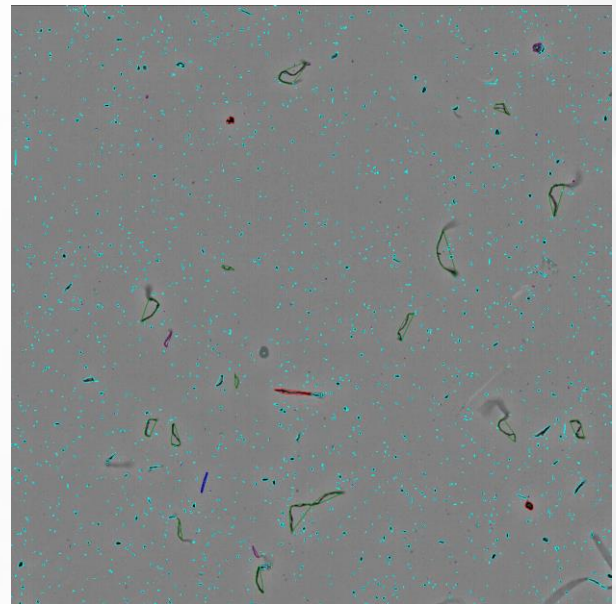
## PFO 1000 Series

Surface Particulate Monitor for Clean Environments

Before Annotation



After Annotation



### PFO 1040 SPECIFICATIONS

Total Detection Area	4 cm <sup>2</sup>
Sample Rate	10 per hour
Reporting	XCAM PFO Reporting Suite
Particle Readout	Size, shape, particle/fibre classification, distribution
Particle Detection Range	5 µm to 750 µm
Alarms	Percentage area covered (PAC) alarm PFO cleanroom level alarm
Operating Temperature Range	+20 to +35 °C
Storage Temperature Range	0 to +40 °C
Power	5 V DC
Power Supply	110-240 V AC, 400 mA
Housing Material	Aluminium
Dimension (LxWxH)	178 x 178 x 92 mm
PC Interface	USB 2.0
PC Requirements	64-bit, intel core i7, 8 GB of RAM (recommended)

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