



# PARTICLE DEPOSITION MONITOR

## Introducing the PDM

Your ultimate solution for Particle Deposition Monitoring. Capture and analyze essential data from deposited particles with precision. The PDM accurately measures the number, size, and location of particles, presenting the information through intuitive graphs and numerical data displays. Effortlessly store this data for long-term monitoring and easily export it to Excel for further analysis.

*The PDM adheres to ISO 14644-17*

## Detailed Automated Analysis

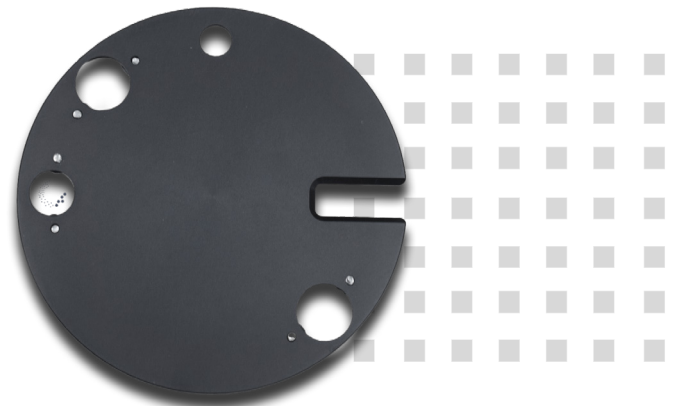
Measurements are displayed in easy-to-read graphs and bar charts. The robust database enables analysis of each individual particle. The software automatically generates comprehensive reports for every measurement, placing all the information you need at your fingertips.

## Reliable Consistent Performance

The PDM arrives fully calibrated, and annual re-calibration can be easily performed remotely using the calibration plate. Our software corrects circular image distortion, ensuring uniformity. All PDM devices produce identical images and measurements, allowing seamless data comparison and interchange between systems.

## Advanced Particle Monitoring

The PDM collects particles deposited on a witness plate and scans them using high-contrast imaging, capturing detailed 162 Megapixel images. Each particle is meticulously characterized, with the data corrected and stored in a comprehensive database. This ensures that new measurements are automatically compared with previous data, providing seamless and accurate monitoring.



## Real-Time Monitoring, Instant Alert

The PDM can perform measurements in real time, displaying contamination as it occurs and providing warnings when thresholds are exceeded. With measurements taken every 20 seconds, you receive timely and powerful feedback, allowing for immediate response to any contamination issues.

[PARTICLE-DEPOSITION.COM](http://PARTICLE-DEPOSITION.COM)

## SUCCESSFUL PDM USERS

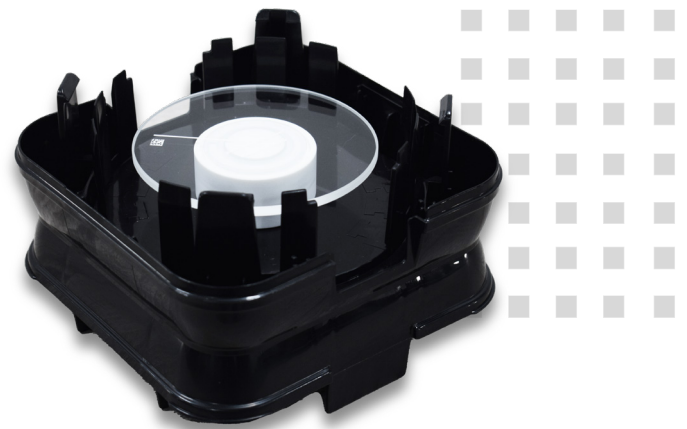
ASML NL  
 ASML TAIWAN  
 OCE - CANON  
 PHILIPS INNOVATION & SERVICES  
 ESA - ESTEC

SRON  
 VDL - ETG  
 CMI  
 VEBEGO  
 SCHUNK XYCARB

### Introducing the Witness Plate

Enhance your measurements with the PDM's innovative witness plate, a borosilicate disk designed to collect particles effortlessly, completely independent of the PDM. After collection, the PDM seamlessly scans the plate, enabling multiple measurements at once with just a single device.

Our witness plates are reusable, easy to clean, and come with a secure exposure box for hassle-free transportation and data integrity.



### User-Friendly Interface

Experience the ease and intuitiveness of SAC's software. Customize your settings to suit your needs, including channel configurations, graph displays, and storage methods. The software generates comprehensive images, enabling you to inspect each particle individually along with its corresponding data.

### System specification

Witness plate surface	50cm <sup>2</sup> 12cm diameter
Particle detection range	>5µm < 12000µm
Weight	11kg
Material	Aluminium Cabinet. Fully closed. No inside airflow.
Optical Readout	7 seconds
Size measuring method	Flat Surface Longest Side

