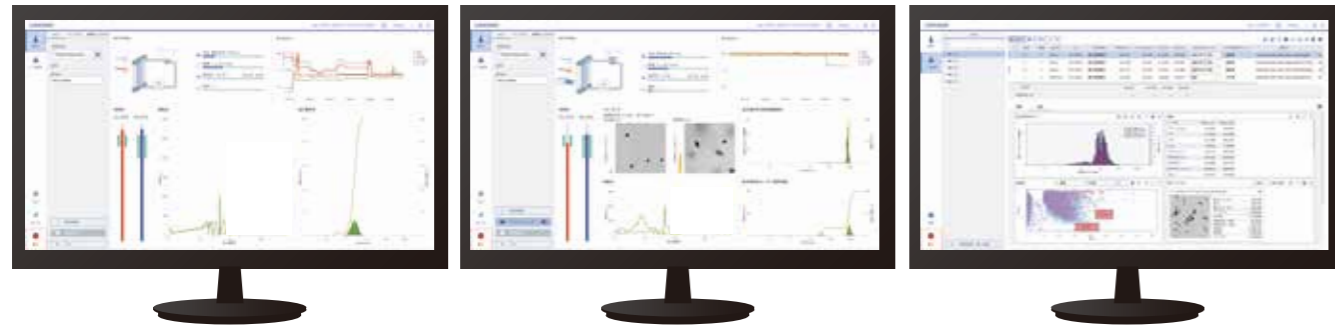


Enhanced Usability and Continuously Evolving Flexible Software

Equipped with abundant new features, such as optimal parameter setting assistance and new analysis algorithms. The evolving software, which is applicable to various standards and provides the correlation data of conventional models, can easily support the smooth upgrade from a conventional model.



Installation example of multi-screen use

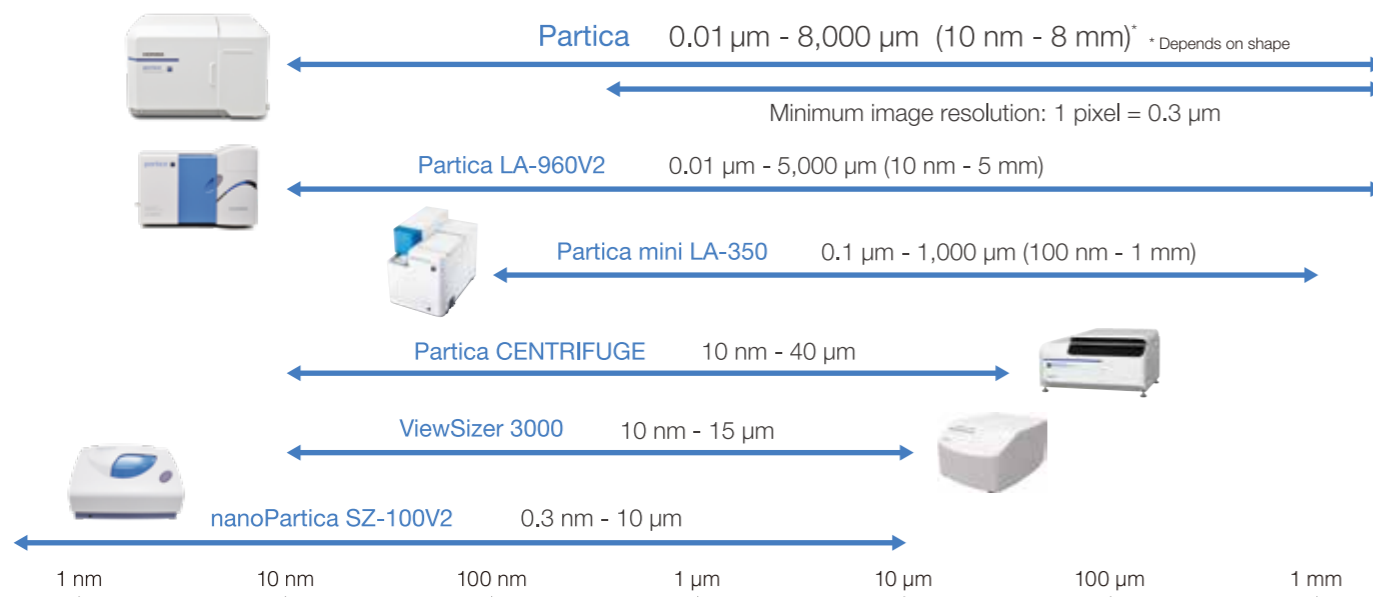
Enhanced Sensitivity for Fine Particles Below 100 nm

The intensity of the blue light source has been increased approximately threefold compared to our conventional models. This enhanced intensity enables detailed milling control and accurate measurement of dilute materials.

Improved Scalability for Online Monitoring and Automation

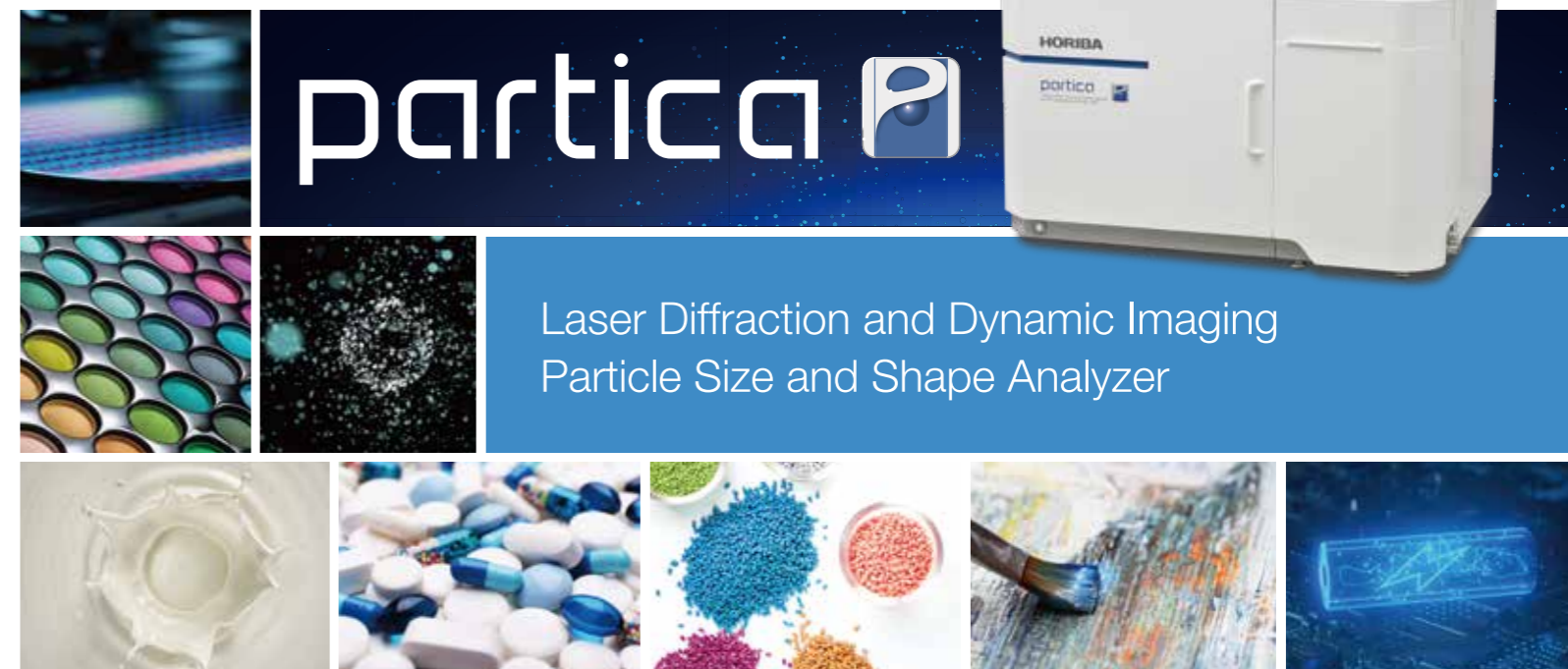
Our system can be expanded to meet customers' needs and challenges by supporting automation, online integration, and remote operation, addressing the increasing demands for labor reduction, operational efficiency, and enhanced safety measures.

HORIBA Particle Analysis Product Line-up



Partica Specifications

Measurement principle	Mie scattering, Fraunhofer diffraction, and dynamic image analysis
Measurement range	0.01 - 8,000 μm (10 nm - 8 mm)* * Depends on shape
Power	AC 100 - 240 V 50 / 60 Hz, 300 VA
Dimensions	720 mm \times 565 mm \times 470 mm (W \times D \times H)
Mass (Measurement unit)	56 kg



Laser Diffraction and Dynamic Imaging Particle Size and Shape Analyzer



Laser Diffraction and Dynamic Imaging Particle Size and Shape Analyzer

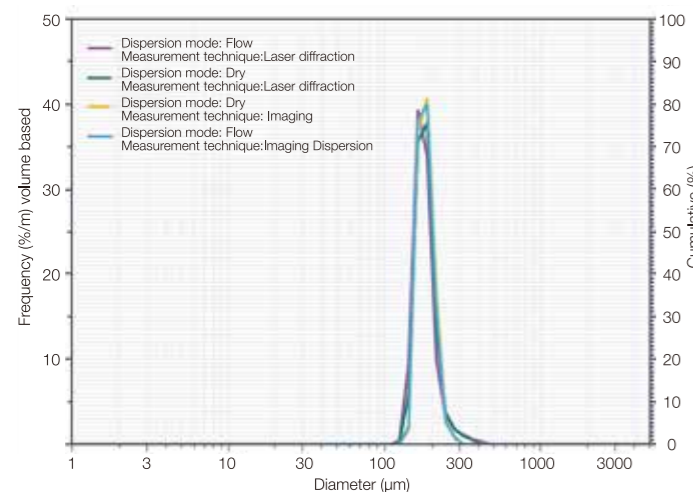


Integrated Laser Diffraction/Scattering and Dynamic Image Analysis for Comprehensive and Efficient Particle Characterization

- Capable of particle imaging under multiple conditions
- The system enables image analysis at a minimum effective pixel size of 0.3 μm
- More than 30 shape parameters for comprehensive analysis

Simultaneous and Correlated Measurement of Particle Size Distribution and Shape Evaluation

Equipped with both laser diffraction for particle size distribution, and dynamic image analysis for particle shape as standard features. Centralized data management enables comprehensive analysis and provides the results which will lead an accurate conclusion.



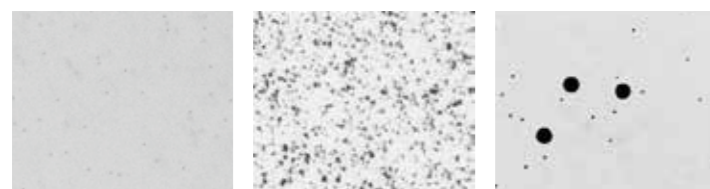
Comparison data of the glass beads for the laser diffraction data by Wet and Dry, and the imaging data by Wet and Dry

Enables detailed analysis of a wide-range parameters for individual particles available via by the particle library

* Layout subject to change.

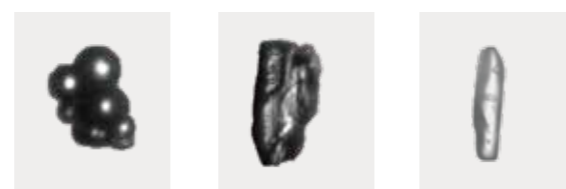
High-Resolution Particle Shape Analysis

Dual cameras enable wide-range observation from micrometer scale



1 μm standard particle 2 μm alumina 100 μm and 1 mm particles

Enables observation and detailed shape analysis of agglomerates, coarse particles, and bubbles



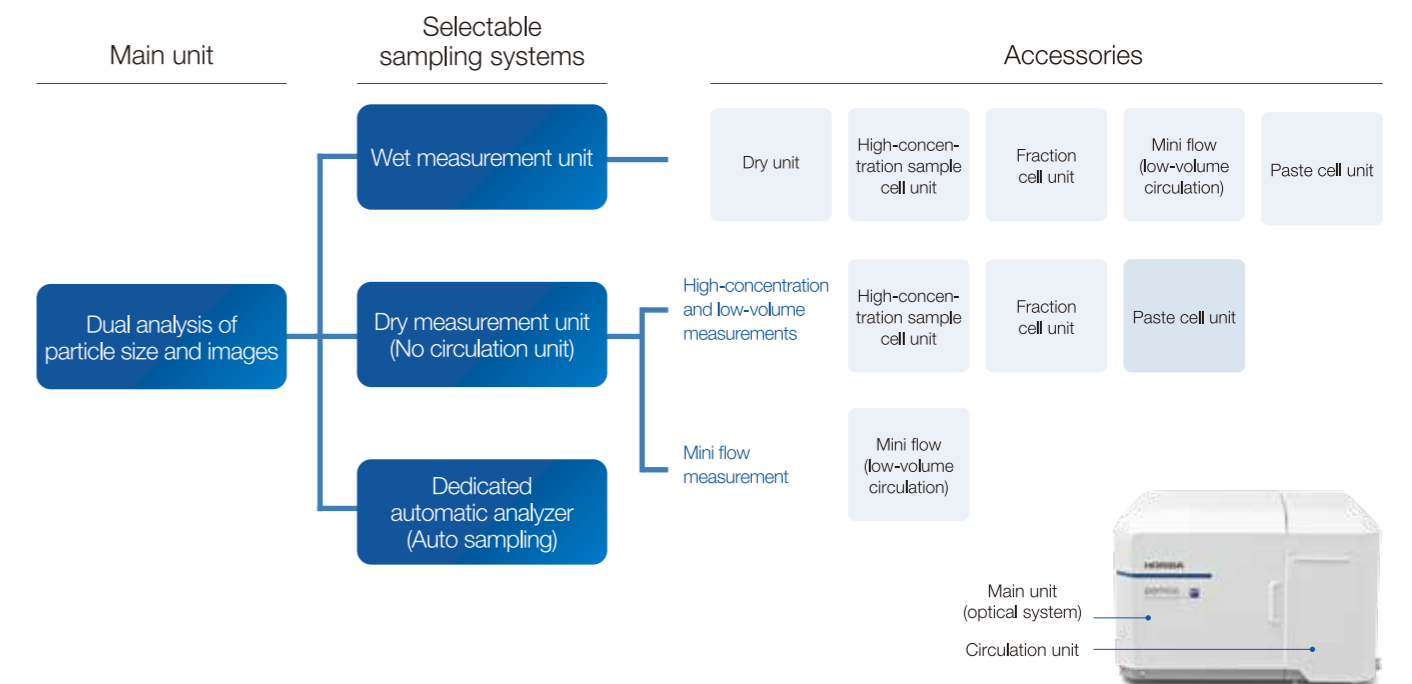
Aggregated glass beads Abrasive Rod-shaped particles

Enhanced Capability: Image Analysis Under Dry Conditions

Image analysis using both low-magnification and high-magnification cameras

Measurement examples of dry image analysis for various JIS alumina particles

Modular Circulation System: Optimized Configurations with Accessories to Meet Your Measurement Needs



* Specifications and designs are subject to change without prior notice.