

HOSOKAWA OPTISIZER IN-PROCESS PARTICLE SIZING



Food



Chemical



Mineral

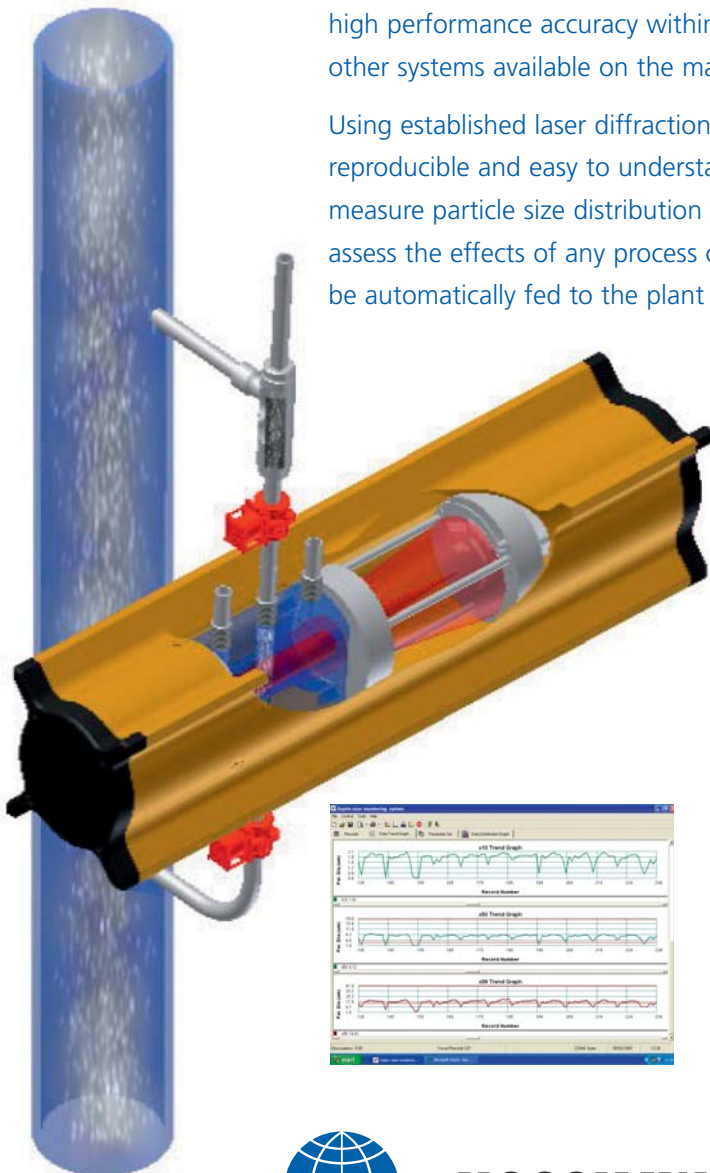


Metals

for Performance Improvement

A new, dry powder, in-process particle sizing system available from Hosokawa Micron offers high performance accuracy within an easy to use and compact unit that costs a fraction of other systems available on the market.

Using established laser diffraction technology from Xoptix the Optimizer presents fast, reliable, reproducible and easy to understand and interpret particle size distribution data. The ability to measure particle size distribution during the production process allows engineers to quickly assess the effects of any process change on the finished product. The Optimizer allows data to be automatically fed to the plant and control system to allow for optimum process control.



IN-PROCESS V MANUAL SAMPLING

- Operator error associated with manual sampling is eliminated
- In-process delivers real time measurements
- Closed system eliminates dust contaminants

BENEFITS OF IN-PROCESS PARTICLE SIZING

- Maximise product throughput
- Optimise process stability
- Easy to troubleshoot
- Reduce energy consumption
- Reduce waste/reject product



HOSOKAWA MICRON

PROCESS TECHNOLOGIES FOR TOMORROWSM



OPTISIZER IN-PROCESS PARTICLE SIZING

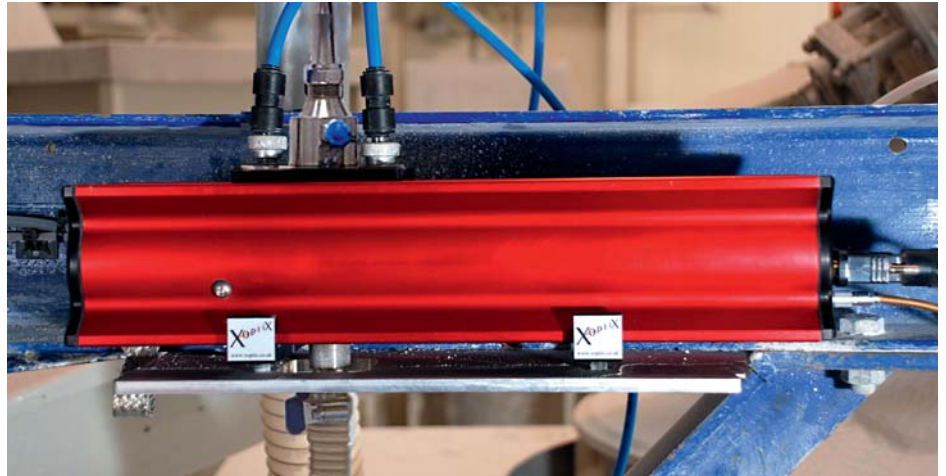
Manufactured using high stability lasers, the best optics and the highest spec detectors the Hosokawa Optisizer is a true laser diffraction instrument built to ISO13320 to give the high levels of accuracy of a laboratory instrument. Built within a robust and ruggedised frame the Optisizer gives stable measurements even under extreme conditions.

HOW IT WORKS

Sample is diverted from the main product flow passing through the sizing cell and back into the main process stream. Laser light scattered from the particles is collected by the detector and transferred to the computer where the size is calculated. Thus the sample measurement is real time, allowing product quality changes to be made with minimum product wastage.

FEATURES

- Unique cell cleaning system
- Remote monitoring up to 2km
- Fully user configurable software
- Outputs to external process control
- IP65 protected



STANDARD MODULES

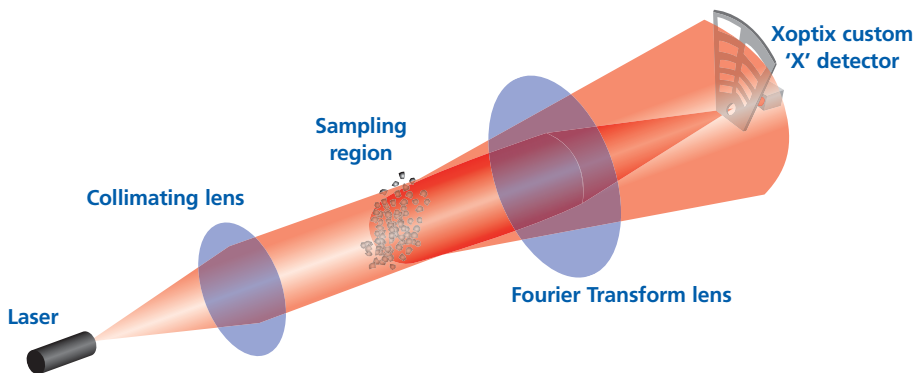
There are three standard modules:

- **XO01P**
For measuring particles conveyed in air from 0.5 to 220 microns
- **XO02P**
For measuring particles conveyed in air from 1.2 to 550 microns
- **XO03P**
For measuring particles conveyed in air from 2.5 to 1100 microns

NON-STANDARD APPLICATIONS

- ATEX options available

Stack and extend size extension facility. Two Optisizers with covering different particle size ranges may be stacked on top of each other which means that very wide size ranges can be measured with a resolution not possible from any other system.



HOSOKAWA MICRON

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The Hosokawa Micron Group will always be the leading global company covering the mountain range of Powder Technologies. The Group will achieve peaks of excellence in the development and commercialisation of advanced materials, process equipment and systems engineering.

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