



CEOPS

ONLINE PARTICLE SIZER

CEMTEC | **DIGITAL**
Operate your plant the smart way

CEMTEC DIGITAL



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THE CHALLENGE

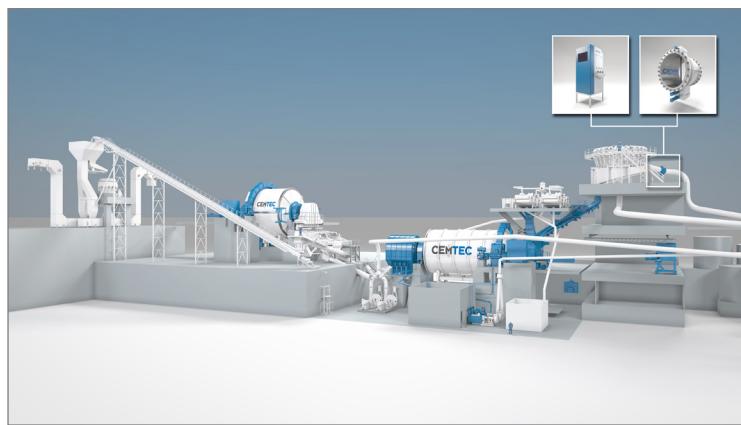
CEMTEC DIGITAL - CEOPS

Particle size analysis is an important part of process optimization and quality control in many industrial production processes.

The online particle size analysis provides the basis for process optimization and process control.

As a manufacturing company in the field of processing technology or shredding, you are looking for solutions to reduce your production costs and at the same time increase quality.

The basis is the real-time recording of the grain size distribution.



THE SOLUTION

The CEOPS System

- a consistently high product quality can be ensured
- reduces production costs
- increases production output
- improves productivity
- high operational availability
- very easy and low maintenance
- increases the degree of autonomy of production
- depending on the area of application, ROI is possible in less than 12 months
- possibility of system control in real time through integration into the process control system
- customized solutions for representative sampling of the product flow
- fully automatic cleaning and referencing before each measurement
- reduced energy consumption by avoiding over-grinding
- increase in plant efficiency when switching products and starting up the plant

APPLICATION

CEOPS - AREAS OF USE

The CEOPS system is available in different versions for wet and dry grinding and processing plants.

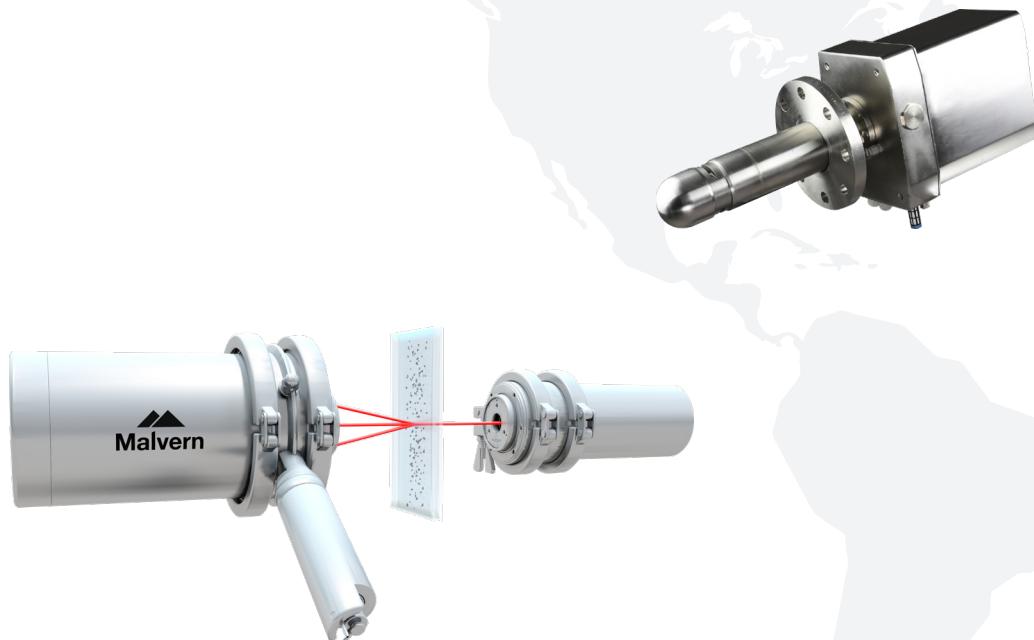
The CEOPS system accomplishes fully automated sampling and sample testing, and provides continuous information about particle size distribution.

The information can be used to control the system and to control the quality of the ground product.

THE PRODUCT

CEOPS - SPECIFICATIONS - SENSORS

- CEOPS can handle up to 4 sampling points via a separate multiplexer unit
- switching between the individual samplers in less than 10 minutes
- grain size range from 1 µm to 3,000 µm
- depending on the application, laser diffractometry or ultrasonic sensor

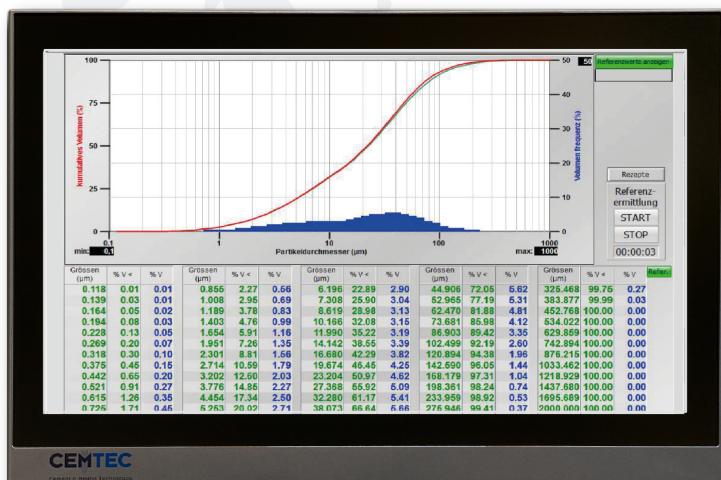


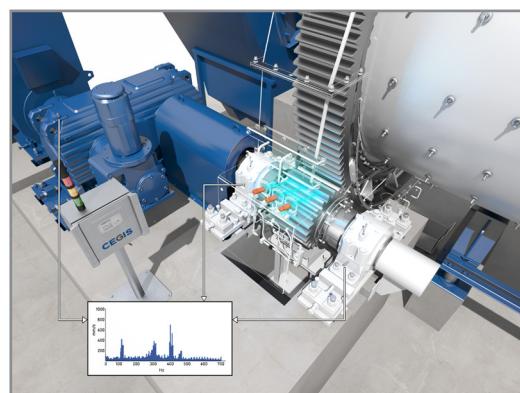
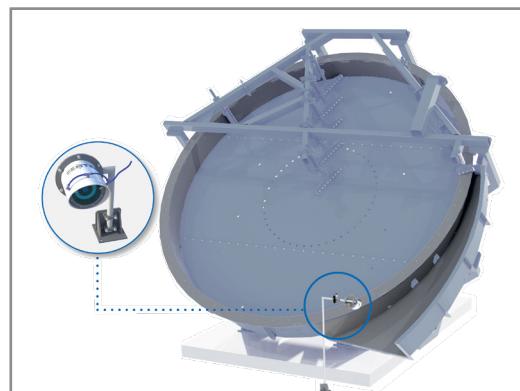
CEOPS - SPECIFICATIONS - CONTROL

- CEMTEC-Control
- own operating application software with user-friendly interface



- independent electrical and pneumatic control cabinet
- semi-mobile system
- space requirement < 2m²
- compressed air consumption approx. 23 Nl/h
- individual connection to the customer control system (Industrial Ethernet, Profibus/-net, OPC UA, etc.)
- depending on the measuring equipment, optional or integrated density measurement for wet applications





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