

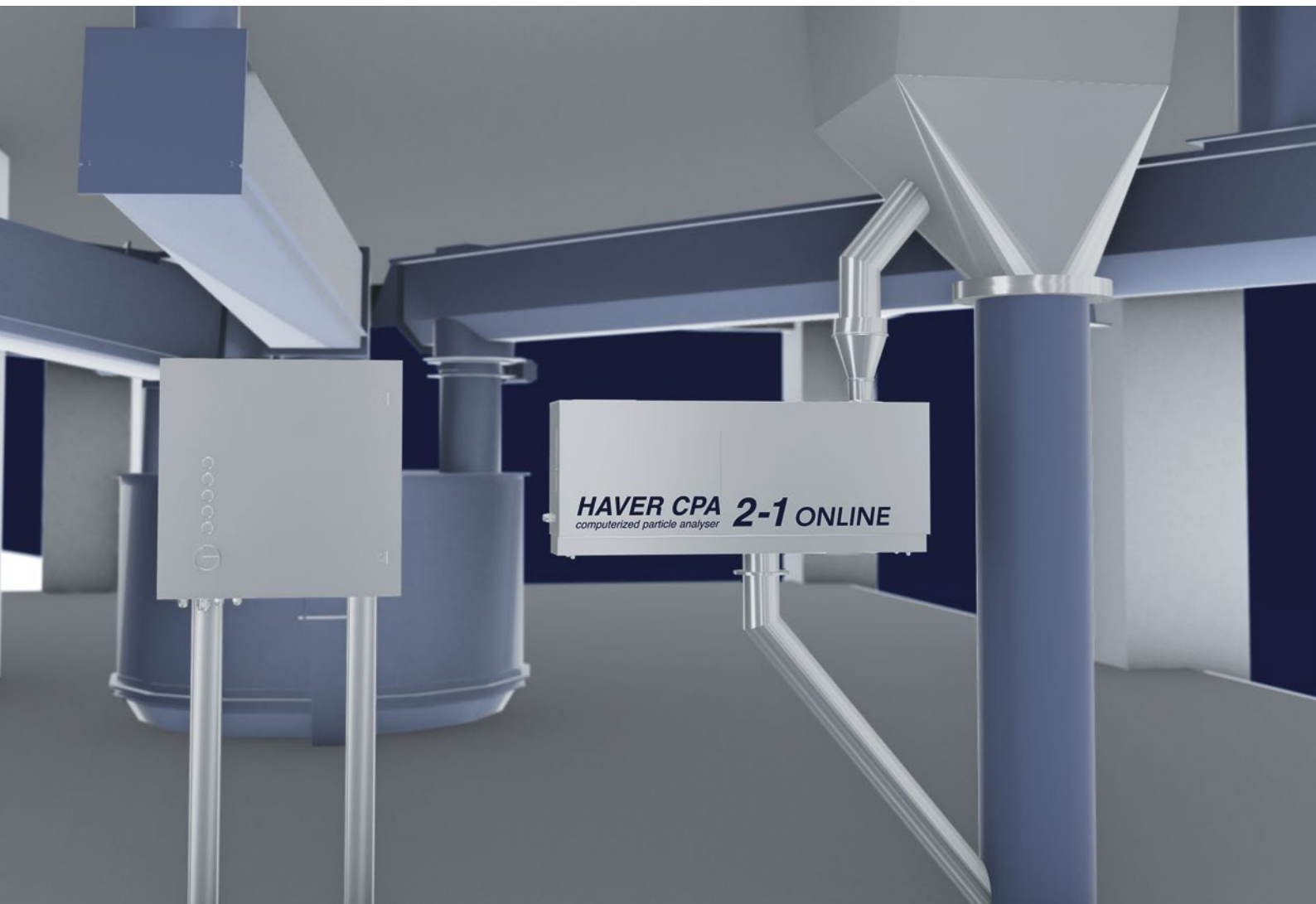
**HAYER & BOECKER**



**DIE DRAHTWEBER**

## **HAYER CPA 2-1 ONLINE.**

**DYNAMIC IMAGE ANALYSER FOR ONLINE PARTICLE SIZE AND SHAPE ANALYSIS IN THE MEASURING RANGE FROM 20 µM UP TO 30 MM.**



# HAYER CPA 2-1 ONLINE.

Dynamic Image Analyser for online particle size and shape analysis in a measuring range from 20 µm bis 30 mm.

The HAYER CPA 2-1 ONLINE has been designed for particle analysis of fine bulk material down to 20 µm. It is used for continuous quality control during the production process. The HAYER CPA 2-1 ONLINE is in permanent standby mode for measuring material samples which are fed regularly by use of a sampler. Both components are activated manually or by a programmable logic controller (PLC)/DCS.

The high-resolution digital line scan camera of the HAYER CPA 2-1 ONLINE scans the particles in free-falling bulk materials against the background of an LED-lighting array. The shadow projections are evaluated in real time (HAYER REAL TIME) simultaneously to the measuring process. After measuring the sample can be returned to the production process. The HAYER CPA 2-1 ONLINE is equipped with the latest HAYER CpaServ Software, which works under Windows operating systems.

The HAYER CPA 2-1 is resistant against harsh surrounding conditions. This is achieved by its robust construction in stainless steel, optional climate control of components, pneumatic cleaning of camera and light source.

## Advantages of the HAYER CPA 2-1 ONLINE:

- regular sample analysis without interruption of production
- high speed measuring
- resistant against heat or coldness, dust, wetness
- automatic feeder cleaning
- LED light source, no warm-up phase, energy saving
- HAYER REAL TIME technology

## Examples for application:

- peening and blasting material
- sand
- pharmaceuticals
- fertilizer
- plastics
- food
- sugar, salt
- feed

## Technical data:

Mesuring range:	20 µm bis 30 mm
Operating voltage:	230 Volt, 50 Hertz or 115 Volt, 60 Hertz
Feeder width:	55 mm
Camera:	CCD-line camera
Horizontal resolution:	2927 Pixel
Pixel frequency:	100 MHz
Light source:	LED
Cleaning:	pneumatically, before and after each measurement (compressed-air is necessary)
Interfaces:	RS 485, RS 232, USB, GigE Vision, Modbus TCP, OPC UA (optional)
Sample feeding:	by the customer
Dimension:	approx. 1000x300x500 mm (CPA)
Total weight:	approx. 80 kg
Design:	stainless steel, 1.4404