

NEXOPART CPA 2-1 ONLINE

Dynamic Image Analyzer for Online Particle Size and Shape Analysis in the measuring range from 20 μm up to 30 mm.

NEXOPART

simplicity for your lab

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The NEXOPART 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 NEXOPART 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 NEXOPART 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 (NEXOPART REAL TIME) simultaneously with the measuring process. After measuring the sample can be returned to the production process. The NEXOPART CPA 2-1 ONLINE is equipped with the latest NEXOPART CpaServ Software, which works under Windows operating systems.

The NEXOPART CPA 2-1 ONLINE is resistant against harsh surrounding conditions. The reason is the stainless steel housing optimized for difficult environmental conditions and a pneumatic cleaning system of the camera and light source.

Advantages of the NEXOPART 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
- NEXOPART REAL TIME technology

Examples for application:

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

Technical data:

Measuring range:	20 µm up to 30 mm
Operating voltage:	230 Volt, 50/60 Hertz or 115 Volt, 50/60 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 (system internal), USB, GigE, Modbus TCP



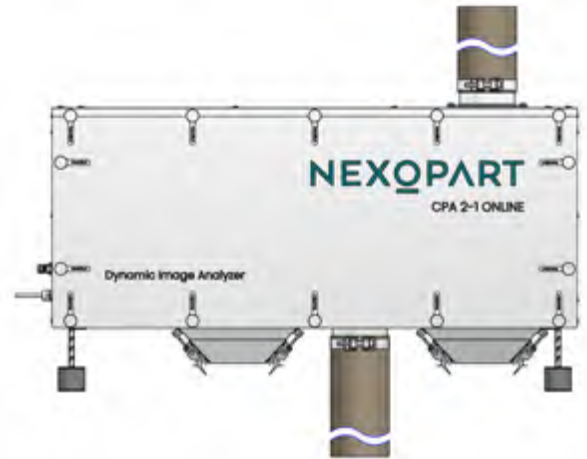
testing, monitoring or
regulating element

Design details

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NEXOPART CPA 2-1 ONLINE (Particle Analyzer):

Material:	Stainless Steel, 1.4404 (AISI 316L)
Protection class of the components:	
Camera:	IP66
Light line:	IP65
Drive:	IP65
Dimensions:	approx. 1000 x 280 x 600 mm (LxWxH)
Weight:	approx. 40 kg



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NEXOPART CPA 2-1 ONLINE (Control Box):

Material:	Stainless Steel, 1.4404 (AISI 316L)
Protection class:	IP66
Dimensions:	approx. 600 x 210 x 600 mm (LxWxH)
Weight:	approx. 37 kg
Power consumption:	75 VA



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NEXOPART CPA 2-1 ONLINE (Communication Box):

Material:	Stainless Steel, 1.4404 (AISI 316L)
Protection class:	IP66
Dimensions:	approx. 200 x 155 x 300 mm (LxWxH)
Weight:	approx. 5 kg
Power consumption:	10 VA



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