

HAYER & BOECKER



DIE DRAHTWEBER



HAYER CPA 4 CONVEYOR

THE FULL-SIZE CONVEYOR UNIT.
INNOVATIVE MEASUREMENT OF MATERIALS UP TO 200 MM LENGTH.

HAVER CPA 4 CONVEYOR.

Conveyor unit for size and shape analysis in the measuring range from 106 µm to 200 mm.

The photo-optical analysis of long and high aspect ratio materials (for example wood chips) presents a unique challenge. The challenge is to achieve particle separation at the time of measurement whilst avoiding incorrect results of size and shape analysis. The HAVER CPA 4 CONVEYOR has been designed and engineered to address these challenges. The HAVER CPA CONVEYOR 4 is suitable for the particle analysis up to 200 mm. The HAVER CPA 2 CONVEYOR measures samples up to 20 mm grain size. Thanks to the HAVER REAL TIME technology, the HAVER CPA 4 CONVEYOR can also be utilized as a particle counting device. The unit's versatility and ruggedness allow it to be used in the laboratory, in a pilot plant or the harsh

environment of a process plant as an online device. It can also be integrated into a production process with virtually no modification because of the built in serial interfaces. The HAVER CPA 4 CONVEYOR is supplied with the proven and user-friendly HAVER CPA software, which works under current Windows operating systems. Both, the measuring unit as well as the software are designed for an online connection to a PLC system. Upon request, the CPA software can be customized to meet a user's special requirement.

Advantages of the HAVER CPA 4 CONVEYOR:

- particles will be aligned (max. length/width)
- online capability
- automatic feeder cleanout

- high speed measuring
- robust design
- high camera resolution
- software modifications individually programmable

- but also for:
- gravel
 - grit
 - coal
 - sugar
 - salt
 - plastic form parts
 - fertilizer
 - ceramic
 - glass
 - food
 - pet food
 - pharmaceuticals

Examples for applications especially for longish particles like:

- wood chips
- catalysts
- fibres of every description

Technical data:

Measuring range:	106 µm to 200 mm
Operating voltage:	230 Volt, 50 Hertz or 115 Volt, 60 Hertz
Type of protection:	IP 54
Feeder width:	310 mm
Conveyor width:	400 mm
Camera:	CCD-line camera
Horizontal resolution:	4096 pixels
Pixel frequency:	40 MHz
Light source:	fluorescent lamp
Dimensions:	approx. 2000x800x1300 mm (LxWxH)
Weight:	approx. 175 kg
Colour:	blue, RAL 5013



HAVER CPA 4 CONVEYOR, alignment and separation of longish samples on the conveyor



HAVER CPA 4 CONVEYOR analysing size and shape of wood chips

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