HAVER & BOECKER

DIE DRAHTWEBER



HAVER CPA 4 CONVEYOR

THE FULL-SIZE CONVEYOR UNIT.
INNOVATIVE MEASUREMENT OF LONGISH MATERIALS UP TO 220 MM.

HAVER CPA 4 CONVEYOR.

Conveyor unit for size and shape analysis in the measuring range from 96 µm to 220 mm.

The photo-optical analysis of longish 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. It is suitable for the particle analysis up to 220 mm. 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 newest and user-friendly HAVER CpaServ 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. The GigE camera interface allows flexible operation with a notebook without additional hardware (e.g. camera card).

Advantages of the HAVER CPA 4 CONVEYOR:

- particles will be aligned (max. length/width)
- online capability
- high speed measuring
- pneumatic cleaning as standard
- robust design
- high camera resolution
- GigE-camera interface - data transfer up to 100 m

Examples for applications:

especially for longish particles:

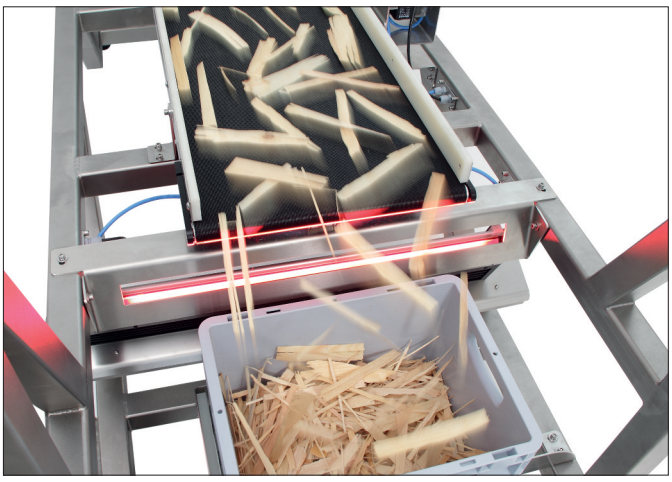
- wood chips
- catalysts
- fibres of every description

and also for

- gravel
- grit
- coal
- sugar
- salt
- plastic form parts
- fertilizer
- ceramic
- glass
- food
- pet food
- pharmaceuticals



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



HAVER CPA 4 CONVEYOR analyzing size and shape of wood chips

Technical data:

Measuring range:	96 µm to 220 mm
Operating voltage:	230 Volt, 50 Hertz or 115 Volt, 60 Hertz
Type of protection:	IP 54
Scanning width:	320 mm
Conveyor width:	360 mm
Camera:	CCD-line-scan-camera
Horizontal resolution:	4096 Pixel
Pixel frequency:	50 MHz
Light source:	LED
Interfaces:	digital IO-Ports, GigE, RS 232
Dimensions:	approx. 2230x830x1390 mm (LxWxH)
Weight:	approx. 205 kg
Colour:	blue, RAL 5013

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