

**HAYER & BOECKER**



**DIE DRAHTWEBER**



## **HAVER CPA 2 CONVEYOR**

THE COMPACT CONVEYOR UNIT.  
INNOVATIVE MEASUREMENT OF MATERIALS UP TO 20 MM LENGTH.

# HAYER CPA 2 CONVEYOR.

"Compact" conveyor unit for size and shape analysis in a measuring range from 37 µm to 20 mm.

The photo-optical analysis of longish and high aspect ratio materials (for example, catalysts) 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 HAYER CPA 2 CONVEYOR has been designed and engineered to address these challenges.

The HAYER CPA 2 CONVEYOR can measure samples from 37 µm grain size.

The Hayer CPA 4 CONVEYOR measures from 0.1 mm particle size.

Thanks to the HAYER REAL TIME technology, the HAYER CPA 2 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 HAYER CPA 2 CONVEYOR is supplied with the proven and user-friendly HAYER 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 HAYER CPA 2 CONVEYOR:

- particles will be aligned (max. length/width)
- online capability
- high speed measuring
- automatic feeder cleanout
- robust design
- high camera resolution
- LED-light source → no warm-up phase, energy-saving
- software modifications individually programmable

### Examples for applications

especially for longish particles like:

- wood chips / fibres
- catalysts
- extruded synthetic granulates

but also for:

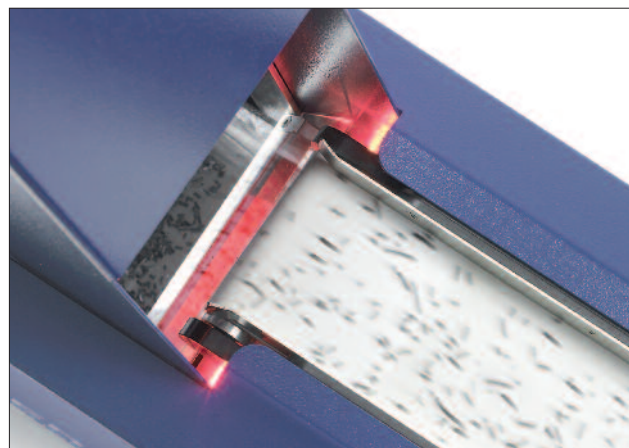
- sand
- coal
- sugar
- salt
- plastics
- fertilizer
- ceramic
- glass
- food
- pharmaceuticals

### Technical data:

Measuring range:	37 µm to 20 mm
Operating voltage:	230 Volt, 50 Hertz or 115 Volt, 60 Hertz
Type of protection:	IP 54
Feeder width:	65 mm
Conveyor width:	70 mm
Camera:	CCD-line camera
Horizontal resolution:	2048 pixels
Pixel frequency:	60 MHz
Light source:	LED
Dimensions:	approx. 940x260x580 mm (LxWxH)
Weight:	approx. 27 kg
Colour:	blue, RAL 5013



HAYER CPA 2 CONVEYOR



HAYER CPA 2 CONVEYOR measuring catalysts