

/HC-A-VI

Quality assurance consistently expanded and automated

HC-A-VI

Rigorously inspecting thermoform packages or cartons for their weight in addition to visually from above, below and the side is precisely what the HC-A-VI is made for. The best thing about it: maximum technology with minimum space requirement.

Packaging is much more than a protective wrapper for your product. It provides clear information in the right place, conveys a message and is often visually representative of your brand.

Not forgetting that, as a manufacturer, you are defining your specific features and thus the DNA of "your" packaging. We ensure that these packaging-specific features are examined quickly and evaluated correctly. How do we do this? With a combination of checkweigher and vision inspection. The HC-A-VI can easily be integrated into your process and performs the inspection automatically so that only the best quality leaves your company.

Features

- Space-saving combination solution
- Multiple product features check
- Multi-angle camera positions
- Plain text recognition (e.g. sell by dates)
- Barcode inspection (1D/2D)
- Cover film verification
- Central system operation



HC-A-VI

WIPOTEC

Product handling: Reliable servomotors

Claim:

Reliable and precise controllable servomotors over the entire process line.

Result:

Stable product transport during which the exact product position is shown after passing the infeed photoelectric beam for the first time – any time.



Area-scan camera: Less is more

Claim:

Only one single photo.

Result:

Record a complete area image via a free field of view onto the product to be inspected.

Line-scan camera: Lots in, lots out

Claim:

Implement smart image capture from "below" with the best results while aptly positioning the camera to do this.

Result:

Place the camera in the narrow gap between two belts and at a constant transport speed thus enabling line-by-line imaging rather than a single image. A special light exposure technique minimises reflections and enables near perfect results.



EMFR Weighing Technology: Guaranteed accurate

Claim:

Determine consistently high and reliably reproducible weight values.

Result:

The weight check is performed via the Weigh Cell using electromagnetic force restoration (EMFR) which operates with an active control loop, without material fatigue and with the highest possible precision. Guaranteed.

Simplified operation: Because intuitive is better.

Claim:

Set up and operate a system intuitively using just one screen and read the automatically generated statistics.

Result:

Use of a powerful display with fully integrated control system – which you can expect with all versions and machine combinations of this vision inspection range.



Individual ejection: Makes perfect sense

Claim:

100 % quality.

Result:

Non-compliant products are individually ejected from the product flow according to cause if predefined limit values are exceeded. Product salvage and appropriate reworking are cost-efficient for you.

Extensive logging: Compulsory & voluntary

Claim:

Display, print or export statistics.

Result:

A technical implementation that enables you to collect and store all data and inspection results in one system.



Central data management: Analyse at leisure

Claim:

Transfer all statistics collected and all images of defective products to Comscale and store them on your server.

Result:

Use of the Comscale networking software, allowing you to carry out data analysis of the connected lines and systems from your desk.

How we configure your new HC-A-VI depends on your inspection requirements and needs.

Where – i.e. at which position on your packaging – should the inspection take place? This forms the basis for positioning the camera.

Once it has been defined where the inspection field is, it is a matter of

What is the inspection task? Should a text be identified and read? In this case, optical character recognition (OCR) is appropriate.

Is it checking a barcode that is important to you? Or would you like to implement complex image recognition? We use your problem and inspection wishes as the basis for combining different cameras to create your individual system.

If **additional inspection tasks** are required, this is also not a problem.

The picture of an SC-W-V machine combination, comprising X-ray, checkweigher and vision inspection with quadruple sorting, illustrates what is possible. For example, adding X-ray inspection to expand a system.

Of course, that's not the end of the story by any means. Many other inspection tasks, such as metal detection and the like, can be integrated and expanded.

If you are only interested in vision inspection of your packaging and labels, our Vision Inspect (VI) is the best choice.



SC-W-V



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Headquarters

WIPOTEC GmbH
Adam-Hoffmann-Str. 26
67657 Kaiserslautern
Germany

T +49 631 34146-0
F +49 631 34146-8690
info@wipotec.com
www.wipotec.com

WIPOTEC 