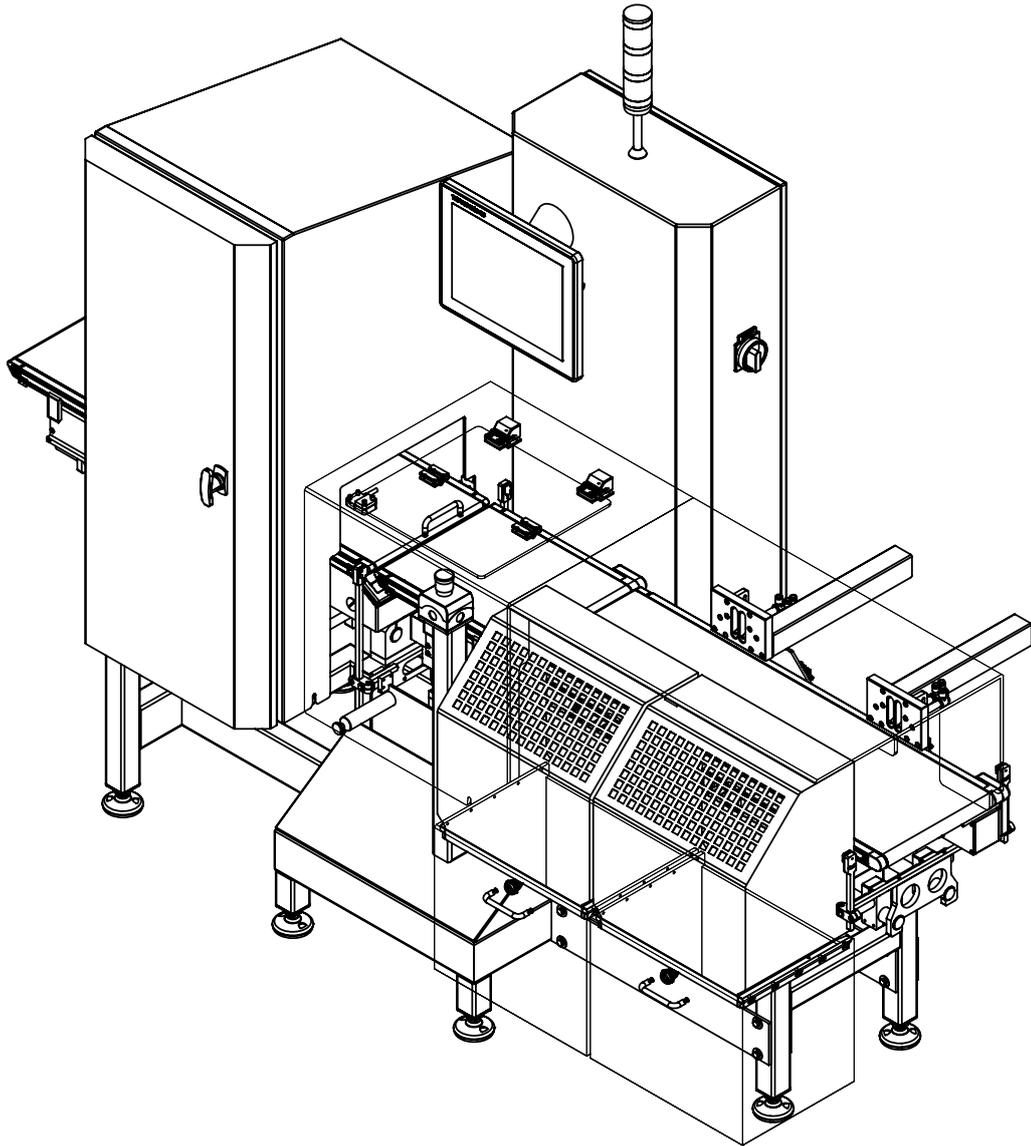


HC-A-VI

TECHNICAL DATA



QUALITY ASSURANCE BY WEIGHING AND VISION INSPECTION

HC-A VI

The **HC-A-VI** model series is a representative of state-of-the-art inspection and control technology. It is a trend-setting combination of vision inspection and checkweigher technology in a compact design. In addition to reliable and precise checkweighing, the HC-A-VI also ensures the vision inspection of your products. The HC-A-VI checks the information printed on the products for correctness and a flawless appearance.

The key components used in this model, such as the WIPOTEC Weigh Cell and the vision control system developed by WIPOTEC-OCS, are crucial for high performance and quality assurance.

The inspection system HC-A-VI significantly expands the potential uses of the WIPOTEC-OCS product portfolio and completes the extensive range, especially in the area of vision inspection. It consistently continues the well-known product and operating philosophy.

A common software interface ensures easy, menu-driven operation of the entire system. Product parameters, logging and production statistics are very comfortably managed from a central point.



KEY FEATURES

- ✔ Highly precise product transport
- ✔ High-tech weigh cell from Wipotec for high-precision weighing of your products
- ✔ Vision inspection from above and below
- ✔ Verifying cover films
- ✔ Checking of sell by dates
- ✔ Checking of 1D and 2D barcodes

YOUR BENEFITS

- ✔ All-in-one operating concept for very quick and easy handling
- ✔ Demand-orientated modularity for maximum flexibility
- ✔ The most comprehensive inspection for maximum product safety and quality

BASE DATA

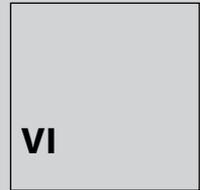
Material of machine	Frame stainless steel V2A/AISI 304	
Machine weight (standard application)	300 kg	
Shipping weight (standard application)	370 kg	
Protection class	IP54	
Temperature range	+5 °C to +40 °C	
Display and operation	Tilttable 15" colour TFT display with touchscreen	
Available dialog languages	Bosnian, Chinese, Croatian, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Latvian, Lithuanian, Polish, Portuguese, Russian, Slovak, Slovenian, Spanish, Swedish, Turkish (other languages on request)	
Interfaces ¹⁾	Optionally: Ethernet, OPC, Profibus, ProfiNet, EtherNet/IP, RS232, RS422, RS485	
Max. output ²⁾	200 pcs/min	
Digital I/O	8xI + 8xO (optionally extendible)	
Product parameter storage	100 PPS (Option 200 / 400 PPS)	
Drive	Servo-Technology	
Noise level ²⁾	A-weighted emission sound pressure level under 70dB(A)	
Rated voltage	L1/N/PE; 100-240 VAC	
Rated frequency	50/60 Hz	
Connect load (power capacity)	Approx. 1.0 kVA	
Compressed air supply	6 bar approx. 16NI/min quality class (according to ISO 8573-1) [5:3:3]	
Possible maximum numbers of connected motors	3 motors (optionally 3 extendible)	
EU-type examination certificate	DE-18-MI006-PTB001 (MID)	
Optical sensor	Top-down: VIO3	Bottom-up: VIO
Field of view	Top-down: 300 x 200 mm	Bottom-up: line width 300 mm
Possible inspection capability	Reading and verification of 1D and 2D bar codes; OCR / OCV of alphanumeric strings	
Typical applications	Check correct coding and legibility of best before date; Check correct coding and legibility of Batch (LOT) number; Check correct packaging material mix-up prevention	

WEIGHING DETAILS

	Weigh Cell (Type)	GWR (Gross weighing range)	Dead load max.	e (Min. calibration value)	d (Displayed value)	Standard deviation ²⁾ (1s)	n (Scale division)
HC-A-3000-3	EC-3000-3	1,500 g	8,500 g	≥ 0.2 g	≥ 0.02 g	ab 100 mg	7,500
HC-A-3000-2	EC-3000-2	3,750 g	8,500 g	≥ 0.5 g	≥ 0.05 g	ab 100 mg	7,500

1) Optionally, surcharge

2) Depending on product shape, product behavior, transport speed and environmental condition



CONVEYOR DIMENSION

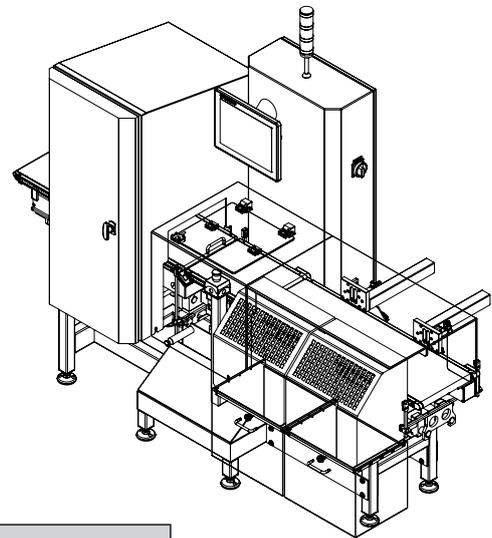
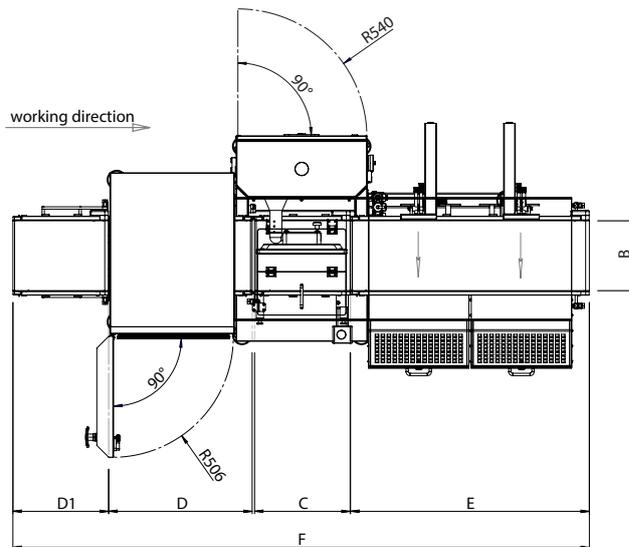
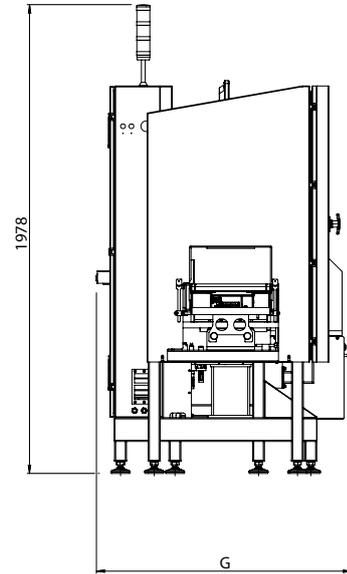
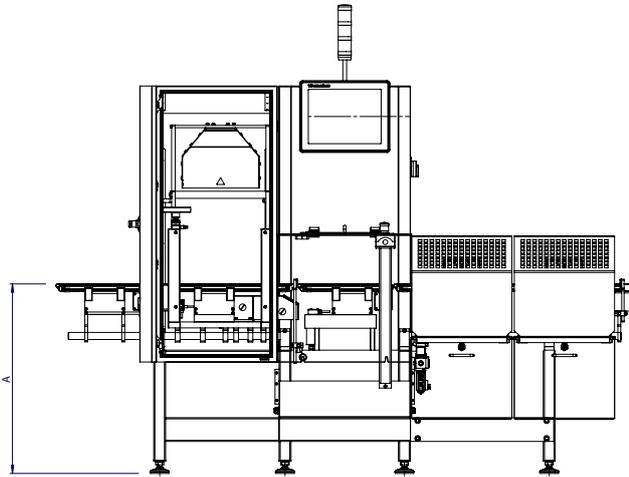
		Dimensions weighing conveyor
length	width	300 mm
400 mm		x

		Dimensions infeed conveyor
length	width	300 mm
400 mm		x
500 mm		x
600 mm		x

		Dimensions outfeed conveyor
length	width	300 mm
400 mm		x
500 mm		x
600 mm		x
700 mm		x
800 mm		x
900 mm		x
1,000 mm		x

MACHINE DIMENSIONS

HC-A VI



A = Working height¹⁾	700-850 / 800-950 / 900-1,050 mm
B = Conveyor width	300 mm
Conveyor technology NT 30	roller diameter 30 mm
C = Weighing conveyor length	400 mm
D1 = Infeed conveyor length (optional)	400 / 500 mm
D = Infeed conveyor length	600 mm
E = Outfeed conveyor length	400 / 500 / 600 / 700 / 800 / 900 / 1,000 mm
F = Total length	C + D + E + 20 mm
G = Total width	min. 1,070 mm depending on the machine configuration

1) Working height must be specified when ordering

These specifications are reference values of the standard machine excluding application- or weighing-specific add-on parts.
All entries in mm | Drawing shows design example

