HC-A-MI
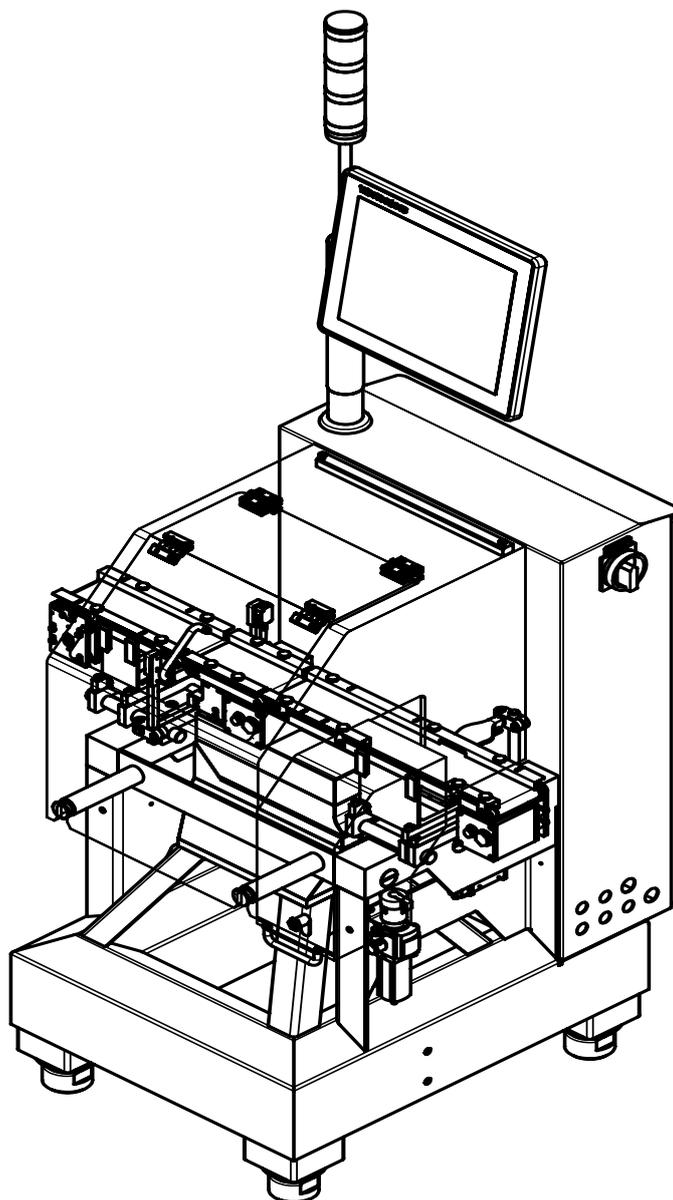### TECHNICAL DATA

CW

WIPOTEC OCS
WEIGHING AND INSPECTION SOLUTIONS

# PRECISION WEIGHING FOR THE LIGHTEST OBJECTS

HC-A MI

The **HC-A-MI** is the perfect automated system for continuous and accurate weighing of ultra-lightweight-parts (for example, stickpacks) in the milligram range. Product infeed is product-specific and individually managed.

Vibrations in the production environment are suppressed through preload adjusted noise compensation (optional). Weight values are determined within fractions of a second. The classification of either accepted or rejected products, as well as the subsequent sorting, is done directly by the controls of the checkweigher.

Because of its automated 100% monitoring, the HC-A-MI provides new possibilities in quality assurance for sensitive products and production processes. It is easily integrated into any production line.

The use of high-tech Weigh Cells from WIPOTEC, which operate according to the principle of Electro-Magnetic Force Restoration (EMFR), guarantees optimal weighing results with the best technology.
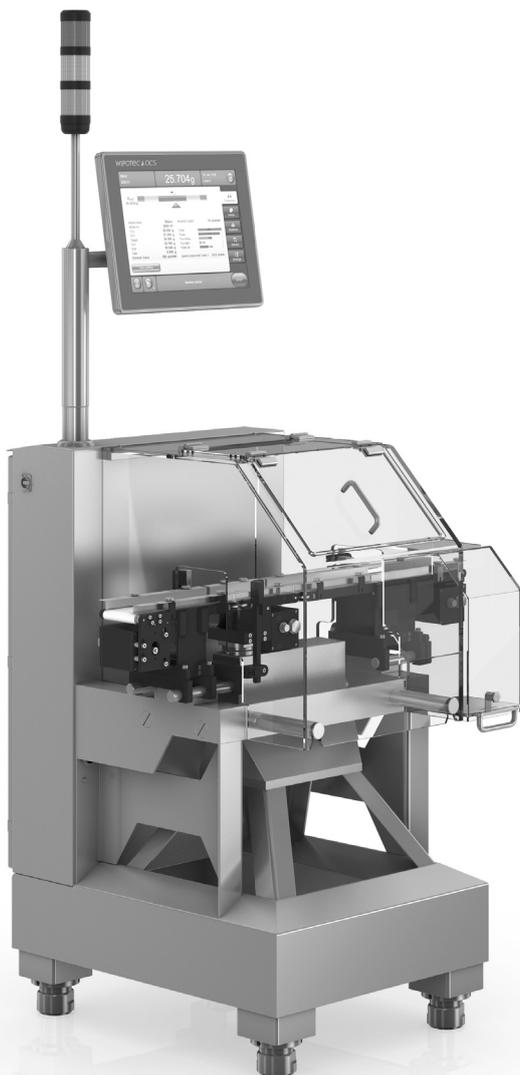
MAIN **FEATURES**

- ☑ **Highly precise weighing in the milligram range**
- ☑ **Automated 100% in-line-control**
- ☑ **Available as multi-lane version**

YOUR **BENEFITS**

- ☑ **Max. output 200 ppm**
- ☑ **Flexible integration in production lines for more efficiency**

TECHNICAL
DATA

HC-A | MI

BASE DATA

Material of machine	Untergestell Edelstahl V2A/AISI 304
Machine weight (standard application)	250 kg
Shipping weight (standard application)	320 kg
Protection class	IP54 [1]
Temperature range	+5 ℃ to +40 ℃
Display and operation	Rotatable and tiltable 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 [2]	Optionally: Ethernet, OPC, Profibus, ProfiNet, EtherNet/IP, RS232, RS422, RS485
Max. output [3]	220 pcs/min
Digital I/O	8xI + 8xO (optionally expandable)
Product parameter storage	100 PPS (optionally 200 / 400 PPS)
Drive	Servo-Technology
Noise level [3]	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. 0.8 kVA
Compressed air supply (option)	6 bar approx. 16Nl/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)

WEIGHING DETAILS

	Weigh Cell (Type)	GWR (Gross weighing rage)	Dead load max.	e (Min. calibration value)	d (Displayed value)	Standard deviation [3] (1s)	n (Scale division)
HC-A-MI	**SW-D-FS**	100 g	2,000 g	≥ 0.1 g	≥ 0.01 g	from 5 mg	1,000

1) Water from above, for IP65 full protection, see VA-application or WD-application (IP69K)
2) Optionally, surcharge
3) Depending on product shape, product behavior, transport speed and environmental condition
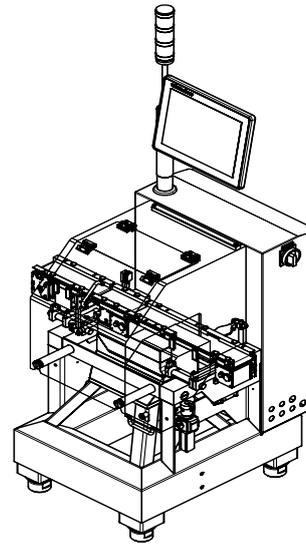
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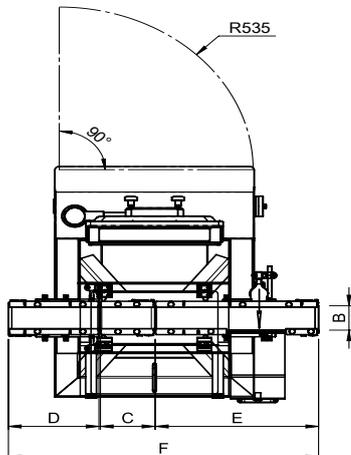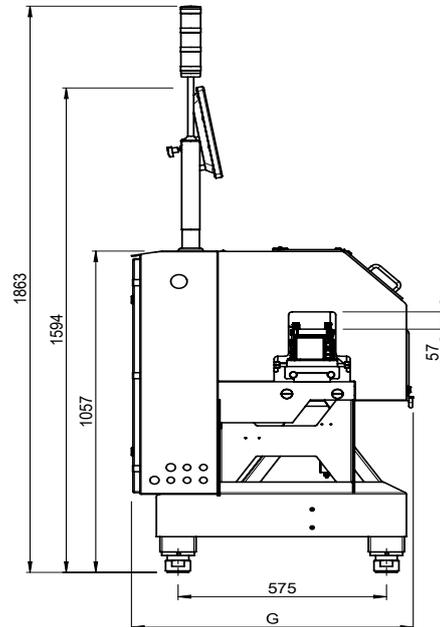
HC-A MI

CONVEYOR DIMENSIONS

length \ width	Dimensions weighing conveyor			
	32 mm	50 mm	80 mm	120 mm
150 mm	x	x	x	x
200 mm	x	x	-	-
250 mm [1]	x	x	-	-
300 mm	x	x	-	-

length \ width	Dimensions infeed / outfeed conveyor			
	32 mm	50 mm	80 mm	120 mm
200 mm	x	x	x	x
300 mm	x	x	x	x
400 mm	x	x	x	x
500 mm	x	x	x	x
600 mm	x	x	x	x

1) Optionally, surcharge

working direction

A

440

1863

1594

1057

575

57

G

R535

90°

D C E

F

B
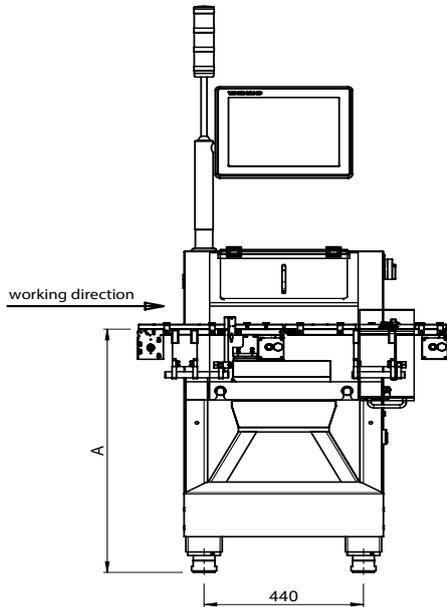
A = **Working height** [1]	700-850 / 800-950 / 900-1,050 mm
B = **Conveyor width**	32 / 50 / 80 / 120 mm
Conveyor technology NT17	roller diameter 17 mm
C = **Weighing conveyor lenght**	150 / 200 / 250 [2] / 300 mm
D = **Infeed conveyor lenght**	200 / 300 / 400 / 500 / 600 mm
E = **Outfeed conveyor lenght**	200 / 300 / 400 / 500 / 600 mm
F = **Total length**	D + C + E + 10 mm
G = **Total width**	780 mm depending on machine configuration

1) Working height must be specified when ordering
2) Optionally, surcharge

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

PERSONAL NOTES

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