

# HC-MDi

Technical data

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A Wipotec Brand



Upgrading the HC checkweigher with an additional product check in the form of a metal detector. Here, the metal detector is mechanically mounted on a mutual baseframe and electrically completely integrated into the HC checkweigher controls. The parameters are independently transferred to the metal detector when products on the checkweigher are changed. The advantages of both individual monitoring systems add up to one space-saving unit.

<b>Metal detector</b>	Type Slim Line, mounted on a mutual baseframe with the checkweigher; the metal detector is made in stainless steel; Control and operation are handled via the checkweigher
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<b>Weighing principle</b>	The precision Weigh Cell works on the principle of Electro Magnetic Force Restoration (EMFR); automatic measuring time recording setting
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<b>Conveyor technology</b>	The weighing conveyor and outfeed conveyor construction are lightweight constructions (stainless steel / anodized aluminium), the infeed conveyor as a specially constructed NT30 metal detector conveyor, the conveyors and belts can be replaced and adjusted without tools, stepless adjustable conveyor speed
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<b>Frame</b>	Stainless steel base frame made of solid tubular steel; easy-to-clean structure for the pharmaceutical and foodstuffs industry, suitable for GMP; cable routing integrated in the tubular frame, high integration weight for improved absorption of vibrations
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<b>Display and operation</b>	10.4 TFT colour touch screen, VGA resolution
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<b>Available dialog languages</b>	Bosnian, Croatian, Czech, Dutch, Danish, English, French, Finnish, German, Hungarian, Italian, Portuguese, Polish, Russian, Slovak, Spanish, Swedish, Turkish (other languages on request)
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<b>Product parameter memory</b>	Data records complemented with the metal detector data; 100 PLU as standard; optional extended to 400 PLU
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<b>Possible number of connected motors</b>	3 motors (infeed conveyor as metal detector conveyor, precision weighing conveyor, outfeed conveyor)
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<b>Emergency operation</b>	Integrated emergency operation function with hardware switch and message on screen
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<b>Rejection</b>	2 reject stations (1x for false weights and 1x for metal-contaminated products) included in machine configuration; optionally available as air nozzle or pusher
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<b>Interface</b>	Optionally: RS 232c, RS 422, RS 485, TTY (current loop), Ethernet
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Please refer to the HC brochure for all available options or, if you like, our sales department would be glad to personally consult you.

# HC-MD*i*

Twin Inspection

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HC-MD <i>i</i>	GWR (gross weighing range)	max. DL (max. deadload)	e ≥ (min. calibration value)	n (graduation steps)
2000-2	750 g	4,000 g	0.1 g	7,500
2000-1	1,500 g	4,000 g	0.2 g	7,500
3000-3	1,500 g	8,500 g	0.2 g	7,500
3000-2	3,750 g	8,500 g	0.5 g	7,500

<b>Maximum performance<sup>1)</sup></b>	400 pieces per min.
<b>Temperature range</b>	+5°C to + 40°C
<b>Certified</b>	10.49/98.01 (Germany) OIML Certificate no. R51/1996-DE-98.01
<b>Electrical connection</b> Nominal voltage Nominal frequency Connected load	L1/N/PE 230 V/115 V 50/60 Hz Approx. 1,2 kVA
<b>Compressed air supply</b>	6 bar approx. 10 NI/min Quality class 1/4/1 in acc. DIN ISO 8573-1
<b>Weight</b> Intrinsic weight Dispatch weight	Approx. 260 kg (standard machine) Approx. 320 kg
<b>Protection type<sup>2)</sup></b>	General protection type IP 65 (only sprayed water from above, for IP 65 full protection, see VA- or WD- version)
<b>Standard deviation (1s)<sup>1)</sup></b>	From 50 mg

<sup>1)</sup> Depending on the product shape, product behaviour, transport speed and ambient conditions

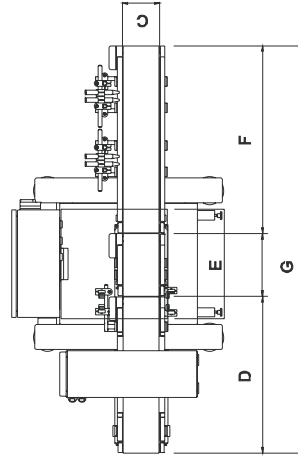
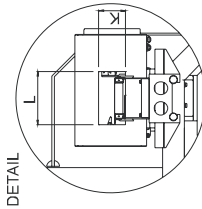
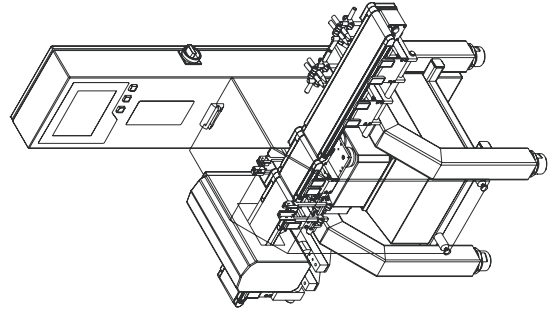
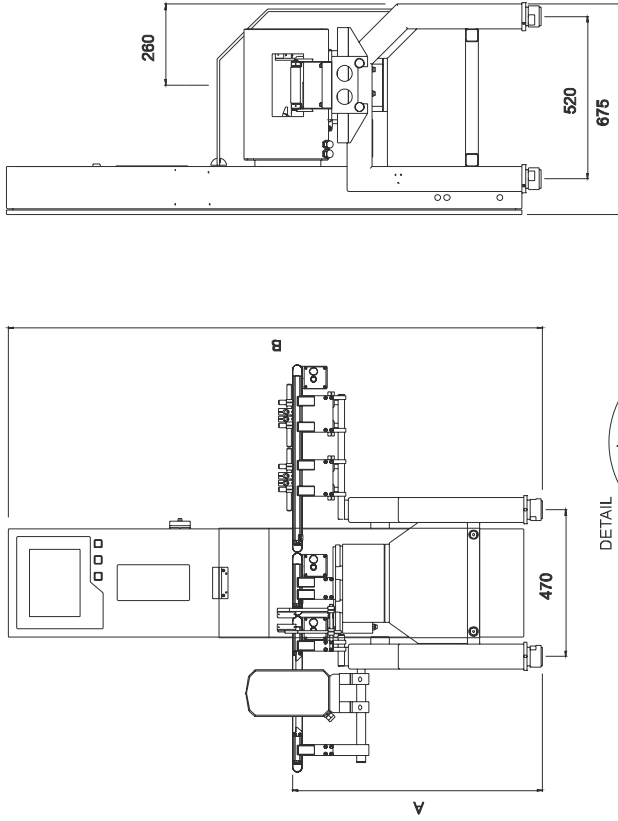
<sup>2)</sup> We recommend an application-related test of the required protection type

# HC-MDi

Twin Inspection



C H E C K W E I G H E R S



## Dimensions:

### Valid for all HC-MDi checkweighers

A = Working height	700-850 / 800-950 / 900-1,050
B = Total height	Approx. 1,700 (+150 mm when using the max. foot height)
C = Conveyor width Roller diameter NT 30	120 / 150 / 200 / 250
D = Metal detector conveyor	550 / 600 / 700 <sup>1)</sup> / 800 <sup>1)</sup>
E = Weighing conveyor	200 / 250 / 300 <sup>2)</sup> / 400 <sup>2)</sup>
F = Outfeed / infeed conveyor	500 / 600 / 700 <sup>1)</sup> / 800 <sup>1)</sup>
G = Total length	D + E + F + approx. 15 mm

### Information about the metal detector: Type Slim Line

L = Opening width (max. Product height = C)	150 / 200 / 250 / 300
K = Opening height	75 / 100 / 125 / 150 / 175 / 200 / 250
Max. product height	K - 30 mm

### Weight values weighing conveyor:

Width	Length	200 mm	250 mm	300 mm	400 mm
120 mm		2.550 g	2.700 g	2.900 g	3.300 g
150 mm		2.700 g	2.900 g	3.100 g	3.500 g
200 mm		3.150 g <sup>3)</sup>	3.350 g	3.550 g	4.100 g

<sup>1)</sup> additional support foot required

<sup>2)</sup> additional support foot in combination with in-feed conveyor<sup>3)</sup> 600 mm

<sup>3)</sup> optionally available as strap conveyor

All measurements in mm. The stated weights are approximate values. These measurements are guideline values for the standard machine without application-specific and weighing-specific attachment parts (e.g. product bins etc.). Opening widths and opening heights can be freely combined with each other.