

# Checkweigher

Type: CW-M-SL



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## HEAVY LOAD CHECKWEIGHER FOR PRECISE WEIGHT DETERMINATION

For products individually weighing up to 60 kg, the heavy load checkweigher **CW-M-SL** offers optimum conditions for highly dynamic checking of current product weights or carrying out completeness checks. With belt speeds up to 2 meters per second, it can be integrated into high-speed production lines.

The lightweight, patented conveyor systems and the particularly carefully balanced drive concept ensure maximum smoothness with smooth running and fast, safe product transport. The CW-M-SL is available in a wide range of conveyor length and conveyor

width combinations, enabling individually tailored solutions for a wide range of product shapes.

A wide and sophisticated range of optional rejection and sorting devices (e.g. pushers, flap conveyor etc.) are available for the heavy

load checkweighers to reliably reject products with incorrect weight. All models are supplied as a complete system with base frame and control cabinet in stainless steel and meet the specifications according to protection class IP54.



### KEY FEATURES

- ☑ Maintenance-free asynchronous motors
- ☑ Type approval (MID)
- ☑ WIPOTEC EMFR Weigh Cell
- ☑ Easy, menu-driven operation via 10.4" colour TFT display with touchscreen
- ☑ Easy belt and conveyor replacement
- ☑ Flexible integration into production lines
- ☑ Line synchronisation with dry-contact I/O signals

### IHRE BENEFITS

- ☑ Complete system for precise weight determination/ completeness check
- ☑ Belt speeds up to 2 m/s
- ☑ Easy, user-friendly operation
- ☑ Low-noise conveyor system

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## TECHNICAL DATA

### BASE DATA

<b>Material of machine</b>	Frame in solid stainless steel design
<b>Machine weight (standard application)</b>	150 kg
<b>Shipping weight (standard application)</b>	250 kg
<b>Protection class</b>	IP54
<b>Temperature range</b>	+5 °C to +40 °C
<b>Display and operation</b>	Cabinet with tiltable 10.4" colour TFT touch screen (optionally free-standing cabinet)
<b>Available dialog languages</b>	Bosnian, Chinese, Croatian, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Latvian, Littaun, Polish, Portuguese, Russian, Slovak, Slovenian, Spanish, Swedish, Turkish (other languages on request)
<b>Interfaces <sup>1)</sup></b>	Optionally: RS232, RS422, RS485, Ethernet, USB (for printer and backup)
<b>Rate of speed</b>	HC-M-SL-1: max. 1.0 m/s (optional to 2.0 m/s) HC-M-SL-2: max. 2.0 m/s
<b>Digital I/O</b>	8xE + 8xA (optionally extendible)
<b>Product parameter storage</b>	100 PPS (optionally 200 / 400 PPS)
<b>Drive</b>	Asynchronous motor with frequency inverter
<b>Noise level <sup>2)</sup></b>	A-weighted emission sound pressure level under 70dB(A)
<b>Rated voltage</b>	L1/N/PE, alternatively 115 VAC or 230 VAC
<b>Rated frequency</b>	50/60 Hz
<b>Connect load (power capacity)</b>	Approx. 1.8 kVA
<b>Compressed air supply (option)</b>	6 bar approx. 16Nm/min quality class (according to ISO 8573-1) [5:3:3]
<b>Possible maximum numbers of connected motors</b>	1 motor (optionally 2 extendible)
<b>EU-type examination certificate</b>	DE-18-MI006-PTB001 (MID)

### WEIGHING DETAILS

	<b>Weigh Cell</b> (Type)	<b>GWR</b> (Gross weighing range)	<b>Dead Load</b> (max.)	<b>e</b> (min. calibration value)	<b>d</b> (displayed value)	<b>Standard-division<sup>2)</sup></b> (1s)	<b>n</b> (Scale deviation)
HC-M-SL-1	IW-B-60k	30,000 g	60,000 g	≥ 5,0 g	≥ 0,5 g	from 500 mg	6,000
HC-M-SL-2	IW-B-150k	60,000 g	150,000 g	≥ 10,0 g	≥ 1,0 g	from 500 mg	6,000

### CONVEYOR DIMENSIONS

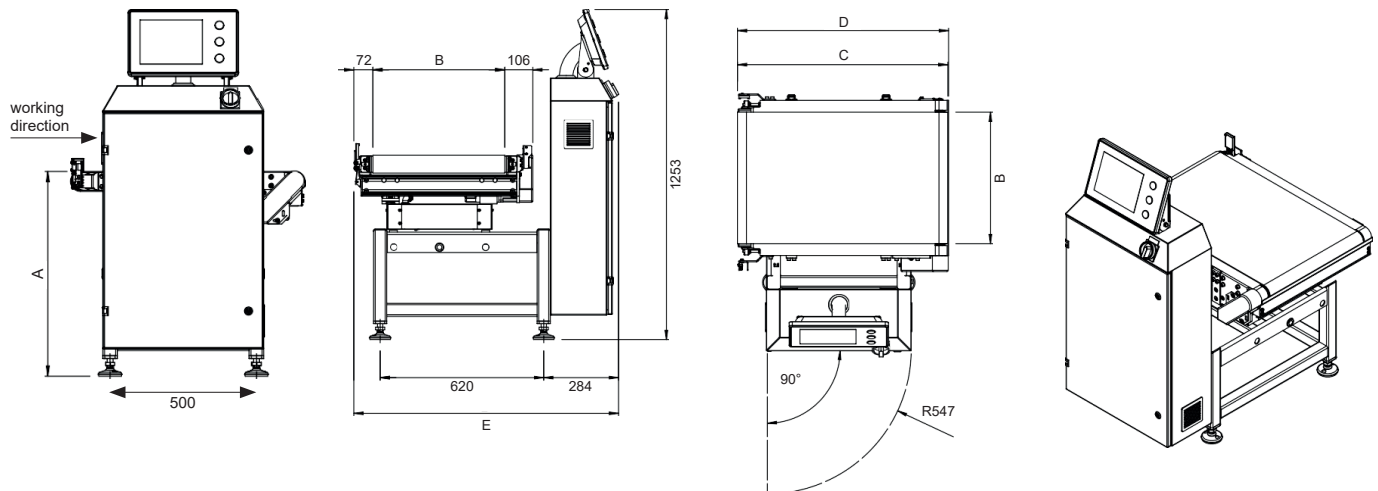
		<b>HC-M-SL-1</b> conveyor type SL60			<b>HC-M-SL-2</b> conveyor type SL80S	
length \ width		400 mm	500 mm	600 mm	600 mm	800 mm
600 mm		x	-	-	-	-
700 mm		x	x	x	-	-
800 mm		x	x	x	-	-
900 mm		x	x	x	-	-
1,000 mm		x	x	x	x	x
1,100 mm		-	-	-	x	x
1,200 mm		-	-	-	x	x
1,300 mm		-	-	-	x	x

1) optionally, surcharge

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

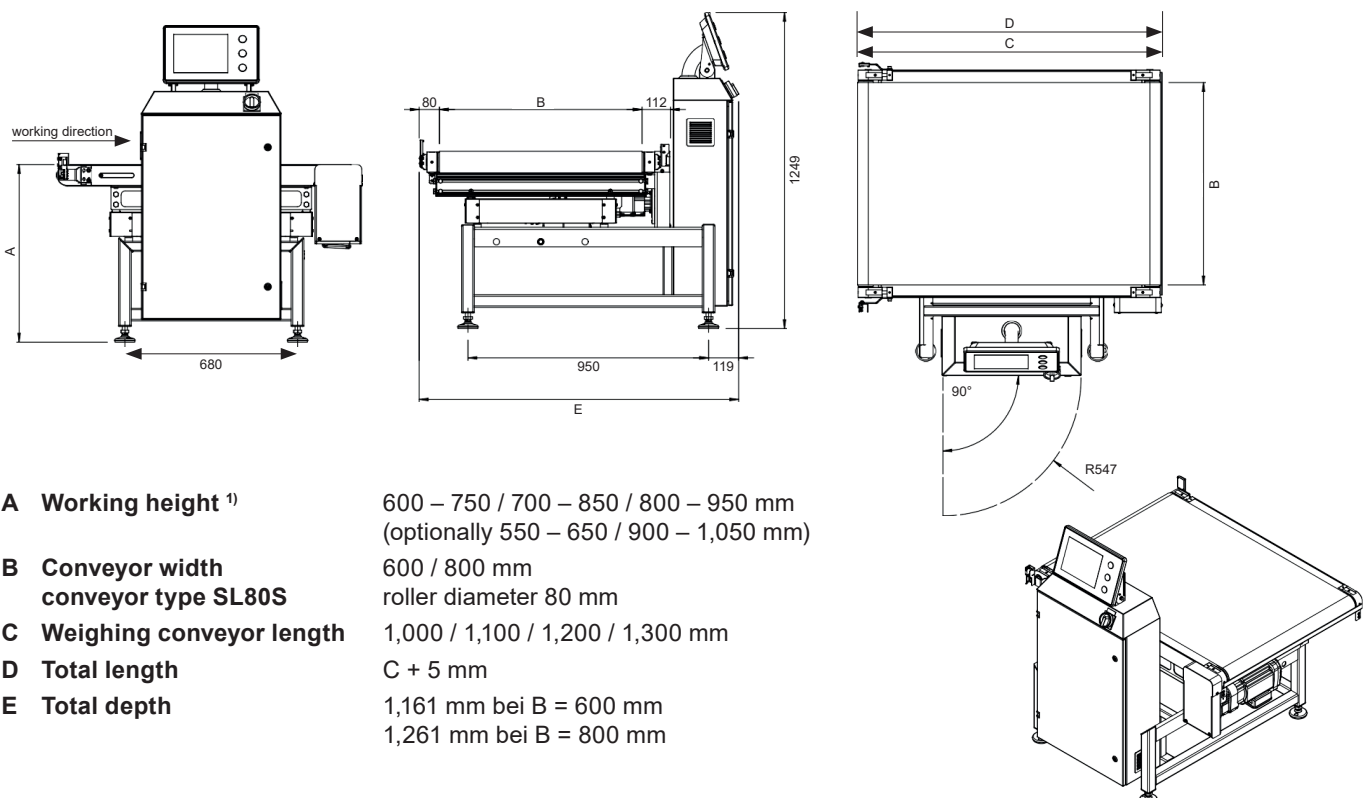
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## MACHINE DIMENSIONS CW-M-SL-1



<b>A Working height <sup>1)</sup></b>	600 – 750 / 700 – 850 / 800 – 950 mm (optionally 550 – 650 / 900 – 1,050 mm)
<b>B Conveyor width conveyor type SL60</b>	400 / 500 / 600 mm roller diameter 60 mm
<b>C Weighing conveyor length</b>	600 / 700 / 800 / 900 / 1,000 mm
<b>D Total length</b>	C + 5 mm
<b>E Total depth</b>	955 mm bei B = 400 mm 1,005 mm bei B = 500 mm 1,055 mm bei B = 600 mm

## MACHINE DIMENSIONS CW-M-SL-2



<b>A Working height <sup>1)</sup></b>	600 – 750 / 700 – 850 / 800 – 950 mm (optionally 550 – 650 / 900 – 1,050 mm)
<b>B Conveyor width conveyor type SL80S</b>	600 / 800 mm roller diameter 80 mm
<b>C Weighing conveyor length</b>	1,000 / 1,100 / 1,200 / 1,300 mm
<b>D Total length</b>	C + 5 mm
<b>E Total depth</b>	1,161 mm bei B = 600 mm 1,261 mm bei B = 800 mm

<sup>1)</sup> Specify working height 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

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