

# EC-M-SL-SI HC-SL-SI

OCS Checkweighers, Inc.  
2350 Hewatt Road  
Snellville, Georgia 30039, USA  
[www.ocs-cw.com](http://www.ocs-cw.com)  
[info.usa@ocs-cw.com](mailto:info.usa@ocs-cw.com)



Technical data



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A Wipotec Brand

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The dynamic scales type EC-M-SL-SI and HC-SL-SI provide the ideal solution for precise and quick weight detection for products up to 60 kg total weight as well as large dimensions in the following fields of business:

- Logistics, especially in CEP-Market (Courier, Express and Parcel-Market), in mail-order business or in general material handling/intralogistics
- Industry sector, e.g. for bags, canisters, tins

Furthermore, the machine types EC-M-SL-SI and HC-SL-SI offer high weighing accuracies and at the same time high belt speeds and therefore throughput rates by latest weighing technology.

## Weighing principle

The precision weighcell works according to the principle of Electro Magnetic Force Restoration (EMFR)

## Conveyor technology

Patent-registered belt design with sandwich technology respectively lightweight conveyor design  
Fast changing and adjustment of the belt  
Stepless adjustment of the belt speed via frequency converter

## Frame

Base frame in robust steel tube design, cross braces made of solid materials to increase the stability and the integration weight

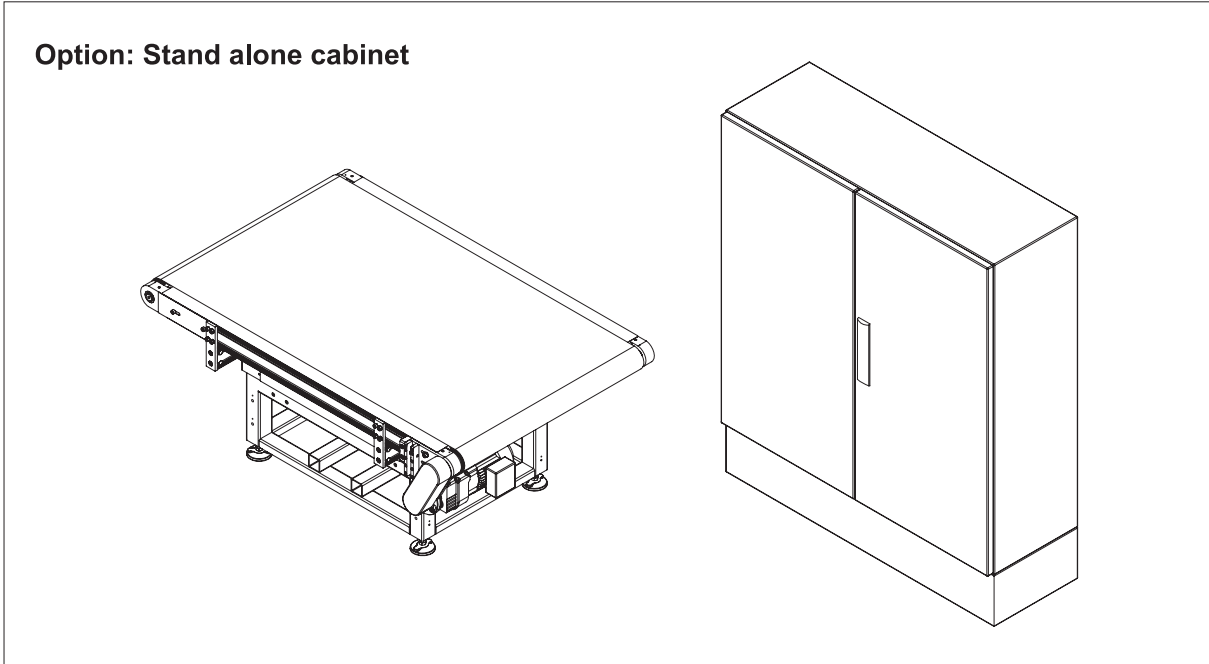
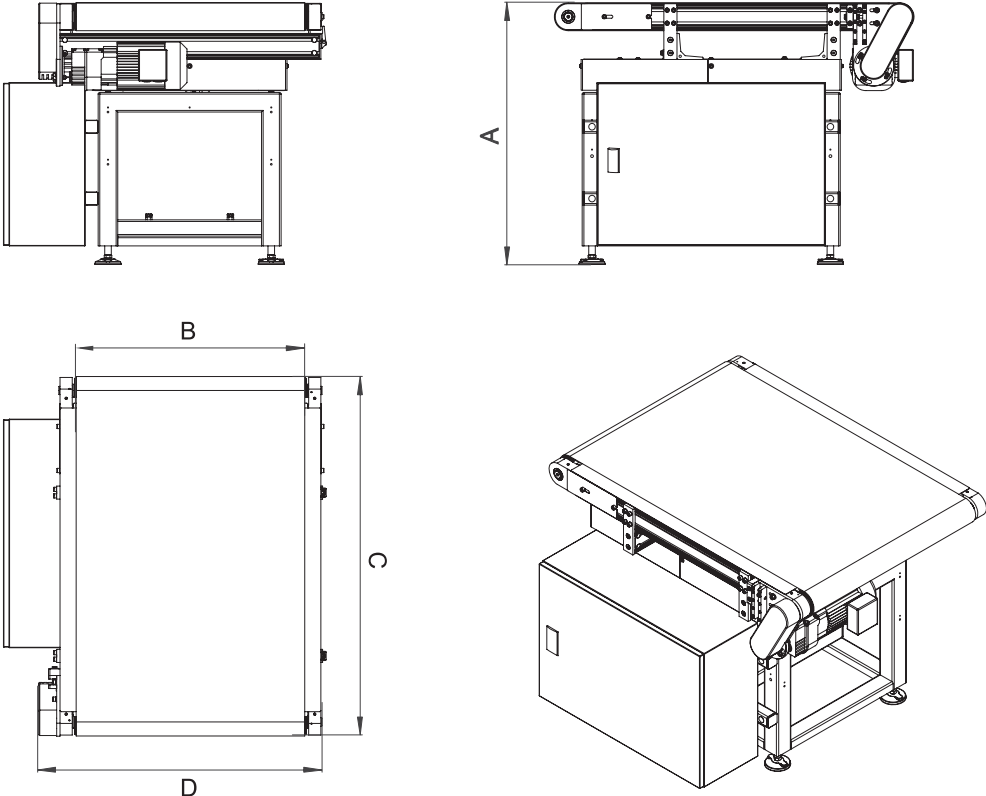
Machine type	EC-M-SL-... and HC-SL-...		
	1-SI	2-SI	3-SI
Belt type	SL 60 (Ø 60 mm)	SL 80 (Ø 80 mm)	
Max. weighing range	30,000 g	60,000 g	
Max. speed	2 m/s	3 m/s	
Calibration value ( $e_{min}$ )	≥ 2 g	≥ 5g	
Weigh Cell	IW-B 60k	IW-B 150k	
Protection type <sup>1</sup>	IP 54	IP 55	
Drive	asynchronous		
Working height <sup>2</sup> [mm]	600-700 (750) / 700-800 (850) / 800-900 (950) / 900-1,000 (1,050)		

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Mechanical data



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## Mechanical data

Belt sizes <sup>3</sup>	EC-M-SL-... and HC-SL-...							
	1-SI			2-SI		3-SI		
Belt width [mm]	400	500	600	600	700	800	900	1,000
600	X	X	-	-	-	-	-	-
700	X	X	X	-	-	-	-	-
800	X	X	X	-	-	-	-	-
900	X	X	X	-	-	-	-	-
1000	X	X	X	-	-	-	-	-
1100	-	-	-	X	X	X	X	X
1200	-	-	-	X	X	X	X	X
1300	-	-	-	X	X	X	X	X
1400	-	-	-	X	X	X	X	X
1500	-	-	-	X	X	X	X	X
1600	-	-	-	X	X	X	X	X
1700	-	-	-	-	-	X	X	X
1800	-	-	-	-	-	X	X	X

## Dimensions:

Valid for all EC-M-SL-SI and HC-SL-SI	
A = Working height	600-700 (750) / 700-800 (850) / 800-900 (950) / 900-1,000 (1,050)
B = Weighing belt width	400 - 1,000 (see table)
C = Weighing belt length	600 - 1,800 (see table)
D = Total weighing conveyor width	Weighing belt width + 200
Dimensions cabinet EC on frame	600 x 380 x 210
Dimensions cabinet HC on frame	700 x 500 x 250
Dimensions stand alone cabinet	600 x 1,400 x 300 / 1,200 x 1,400 x 300 (depending on application)

All measurements in mm.

These measurements are guideline values for a standard machine without application-specific and weighing-specific attachment parts.

## Mounting cabinet on frame:

Belt sizes <sup>3</sup>	EC-M-SL-... and HC-SL-...															
	1-SI						2-SI				3-SI					
Belt width [mm]	400		500		600		600		700		800		900		1,000	
Belt length [mm]	EC	HC	EC	HC	EC	HC	EC	HC	EC	HC	EC	HC	EC	HC	EC	HC
600-700	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-
700-800	X	X	X	-	X	-	X	-	X	-	X	-	X	-	X	-
800-900	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
900-1,000	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

x = cabinet mounted on frame possible

- = cabinet mounted on frame not possible respectively stand alone cabinet

<sup>3)</sup> other conveyor sizes on request

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## Possible controllers

	<b>EC-Controller</b>	<b>HC-Controller</b>
<b>Display and operation</b>	4.7" graphical LCD touch screen, monochrome („Type RC-Term“)	10.4" TFT touch screen, VGA resolution, colour display („Type HC-Bedienterminal“)
<b>Available dialog languages<sup>4</sup></b>	Croatian, Czech, Danish, Dutch, English, Finnish, French, German, Hungarian, Italian, Polish, Portuguese, Romanian, Russian, Slovenian, Spanish, Swedish, Turkish	
	-	Bosnian, Chinese
<b>Digital I/O</b>	8 digital inputs 12 digital outputs	8 digital inputs 8 digital outputs upgradeable
<b>Possible maximum number of connected motors</b>	4 motors (no motor mixed operation)	6 motors (motor mixed operation possible)
<b>External interface<sup>5</sup></b>	2 serial (selectable RS 232 / RS 422 / RS 485 / TTY) 1 Ethernet	4 serial (selectable RS 232 / RS 422 / RS 485 / TTY) 1 Ethernet Field bus: Profibus DP
	save & print on USB stick (Option)	

<b>Electrical connection</b>	<b>Controller</b>	<b>Motor</b>
Nominal voltage	230 V / 115 V	3 ~ 380 V - 480 V 1 ~ 230 V / 115 V
Nominal frequency	50 / 60 Hz	50 / 60 Hz
Connected load	< 0.2 kVA	application dependent

<b>Type approvals/ Certificates</b>	MID: DE-08-MI006-PTB 028 (EU & EFTA states)	
	NTEP: 08-053 (USA)	
	AM-5368 (Canada)	
	03.009.0386 (Russia)	03.009.0385 (Russia)
	GOST-R: POCC DE.TH02.H02764	
	OIML Certificate Nr: R51/1996-DE1-98.01	

<sup>4)</sup> other languages on request

<sup>5)</sup> other / additional interfaces on request

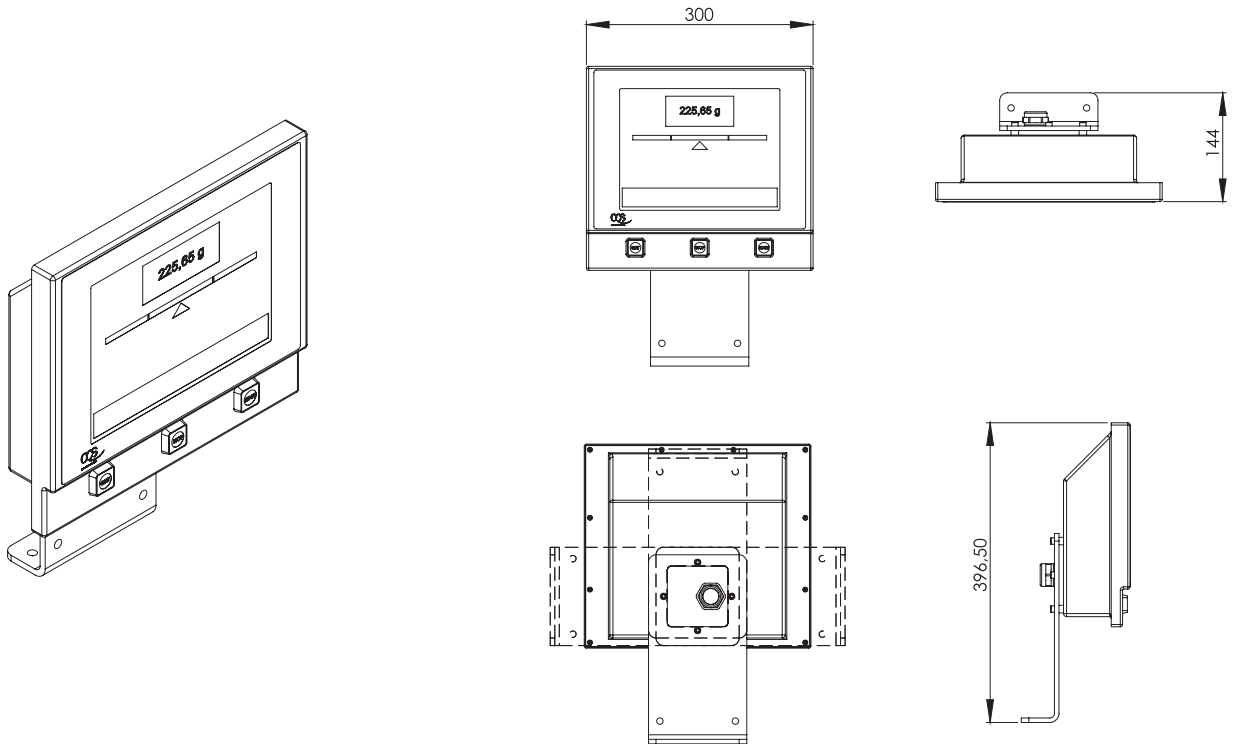
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Display and operating unit

## HC operation terminal for connection with HC scale



## RC-Term for connection with EC scale

