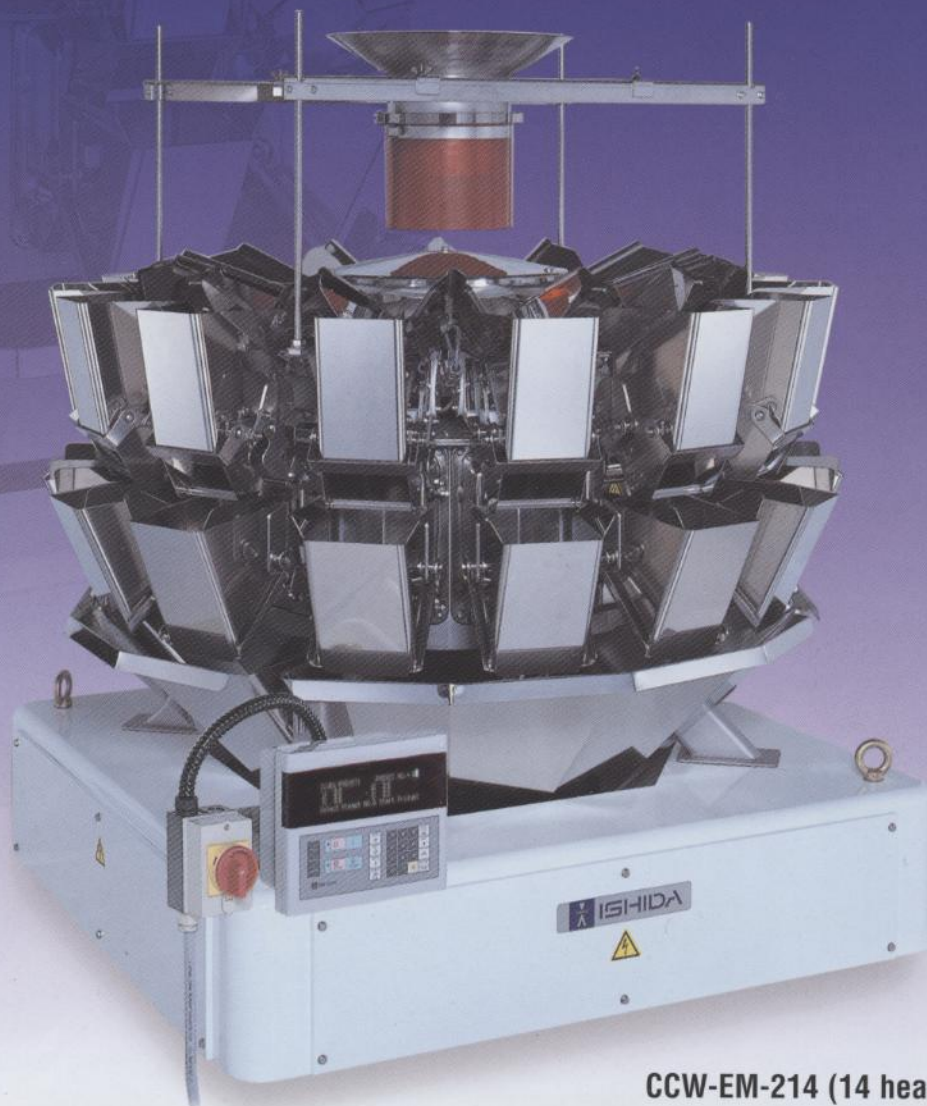


CCW-EM-210 **CCW-EM-214**

MULTIHEAD WEIGHER



CCW-EM-214 (14 heads)



Superior Speed and Accuracy, Affordable

The CCW-EM-210/214 multihead combination weighers deliver unsurpassed Ishida reliability and performance from an easy-to-operate system that's also easy to afford. Individual stepping motors are utilized to control pool and weigh hoppers, thus providing higher speeds and greater accuracy through simple keypad operations.

With the CCW-EM-210/214 models, our latest "Intelligent Weighers," Ishida offers an economical alternative for high-performance weighing.



CCW-EM-210 (10 heads)

able Price

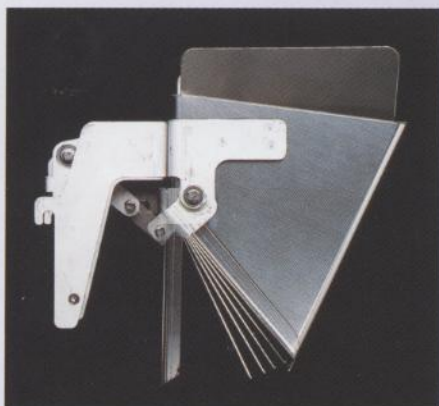
Features

Cost Effectiveness

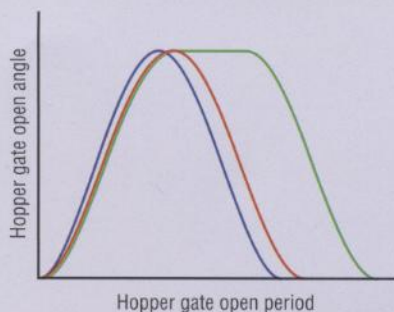
High speeds and unbeatable accuracy promote higher yields and productivity which increases the cost-effectiveness of the CCW-EM economy weighers.

Individual Hopper Drives

Each pool and weigh hopper is equipped with its own high speed stepping motor. Precise hopper gate opening and closing profiles can be created according to the target weight and type of product, reducing operating noise and increasing speed and accuracy.



Hopper gate motion profile



- Large volume weighing
- Medium volume weighing
- Small volume weighing

Digital Filtering

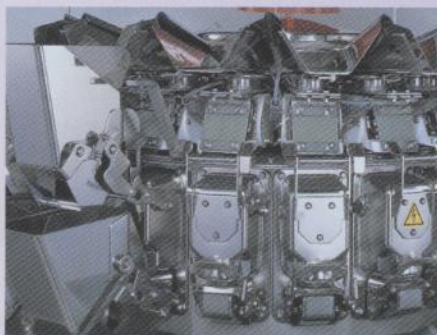
The processor adjusts the filter time of information between the weigh head and the computer depending on operating conditions, unlike less sophisticated systems where filter time is fixed on installation at a preset level. CCW-EM weighers maintain speeds by ensuring that a weigh signal is never over-filtered.

Digital Signal Processor

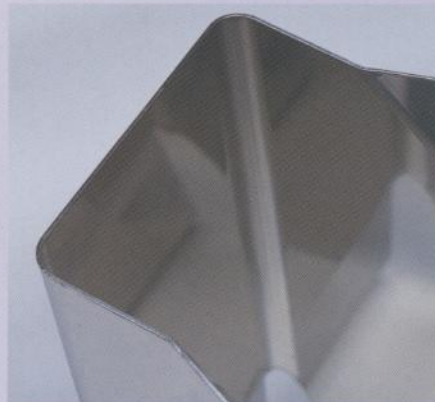
A high speed "DSP" chip handles the many high speed adding and multiplying computations required for digital filtering and weigh data processing. DSP permits accurate signal processing under a wide range of weighing conditions.

Sanitary Construction

Pool and weigh hoppers incorporate springless and linkless opening mechanisms that simplify cleaning and maintenance. The drive unit is produced in heavy gauge stainless steel, and discharge chutes can be easily removed without tools.



Hoppers with rounded corners prevent build-up of product residue, further reducing sanitation procedures.



Easy Operation

Weigher operations are entered through the user-friendly RCU menu with fluorescent display. Up to 50 different product settings (presets), including target value and feed conditions, can be stored in its memory, allowing easy and accurate operations with a minimum amount of training.

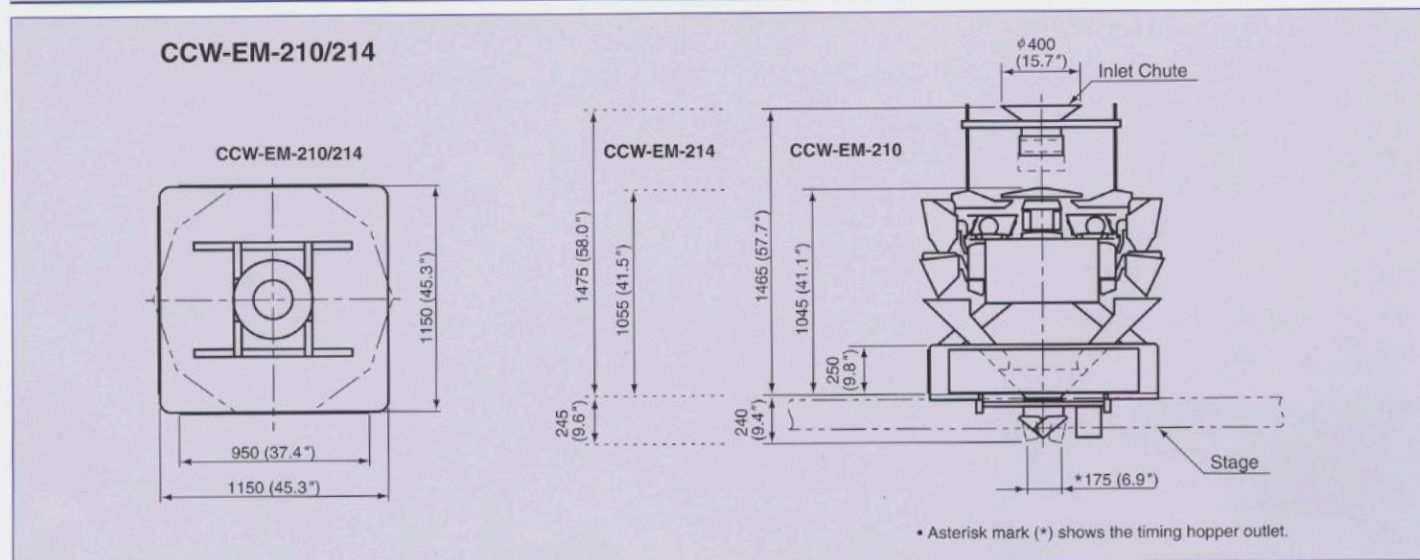


Specifications

Items	CCW-EM-210		CCW-EM-214	
Weighing Capacity (per head)	400g	800g	400g	800g
Min. Graduation	0.1g	0.2g	0.1g	0.2g
Weighing Range*	15g to 500g	45g to 1000g	15g to 500g	45g to 1000g
Weighing Accuracy*	1 to 2g	2 to 3g	1 to 2g	2 to 3g
Max. Volume for Weighing	4.5 liters		4.5 liters	
Weighing Speed*	70 WPM		110 WPM	
Weigh Cell	Double-beam strain gauge load cell			
Number of Presets	50			
Display (RCU)	Fluorescent display (256 × 64 dots)			
Machine Weight	450kg		500kg	

*Varies according to weighing range, product condition, etc.

Dimensions mm (inch)



PATENTS The CCW-EM-210/214 weigher is protected by one or more of the following patents:

U.S.A. 3939928 4396078 4398612 4444283 4446937 4465149 4467880 4475608 4478300
4491189 4497385 4512427 4527647 4529049 4533006 4549278 4553616 4574897
4585081 4609058 4615403 4620176 4625817 4627012 4661920 4664200 4666002
4705125 4705126 4708215 4722406 4733363 4790398 4853881

Great Britain 2074329 2085172 2095934 2097207 2150309

Germany 2340832 3111811 3152246 3152282 3153264

France 2479461

Italy 1148518 1205259

Australia 523588 523958 540729 543230 543793 545140 550167 563220 564856 571762

Japan 1057592 1153378 1194134 1223752 1223760 1240515 1240516 1251500 1377466
1377496 1556704

Europe* 60633 *64554 67637 72707 74261 74283 74813 76167 101314 104084 108648
119854 124355 124370 147239 160512

NOTE: *Patent number 64554 has been registered in Great Britain, Germany, France, Netherlands, Sweden, Switzerland, Austria, Luxembourg and Liechtenstein. Other numbers have been registered in Great Britain, Germany, France and Italy.

Ishida, the world leader in weighing technology, also manufactures a full line of checkweighers.



ISHIDA



ISHIDA CO., LTD.

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PHONE: 81-75-771-4141
FACSIMILE: 81-75-751-1634
URL: <http://www.ishidajapan.com>

HEAT AND CONTROL

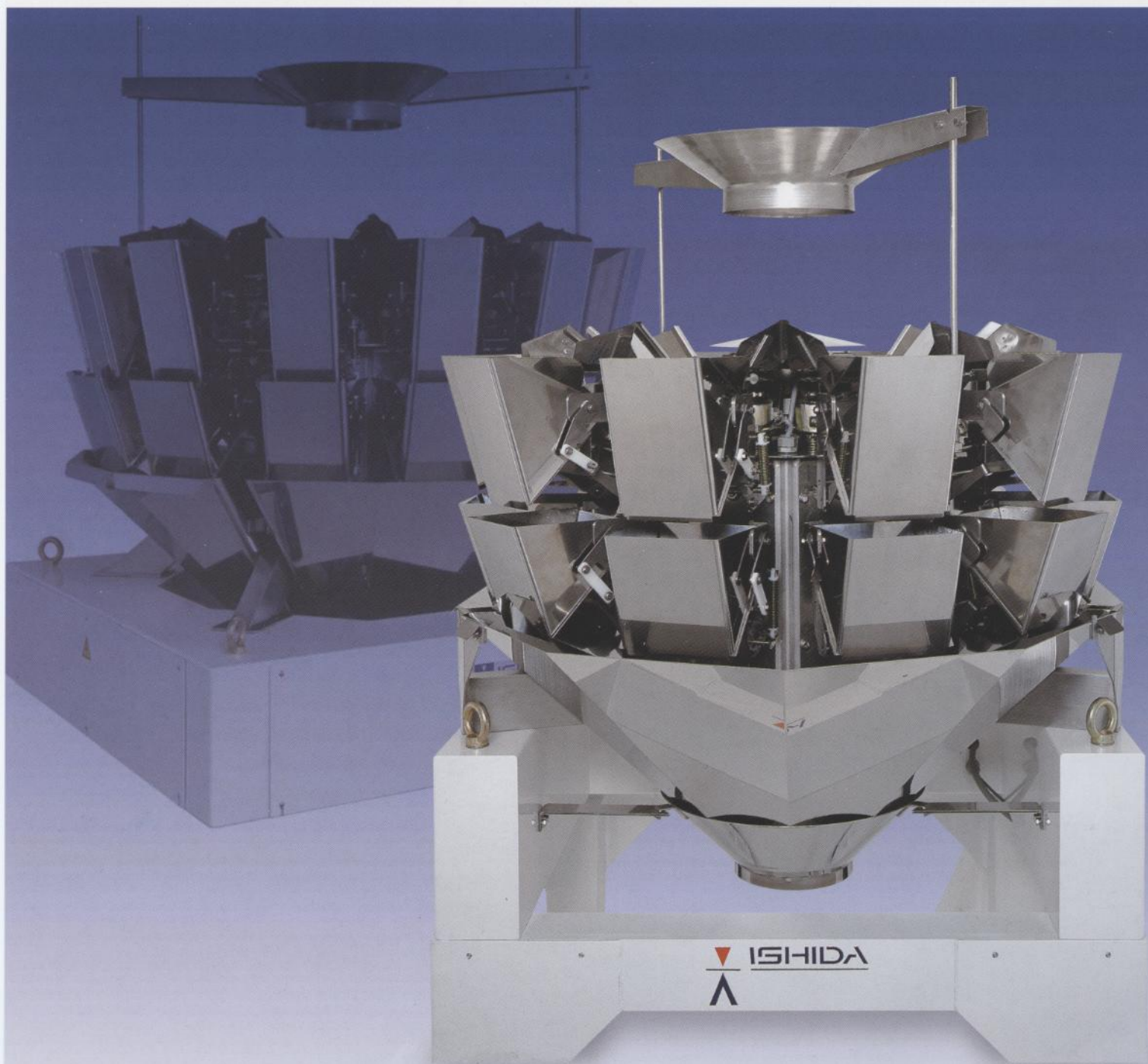
HEAT AND CONTROL, INC.

21121 CABOT BLVD.
HAYWARD, CA 94545-1132
PHONE: 1(800) 227-5980
1(510) 259-0500
FACSIMILE: 1(510) 259-0600
www.heatandcontrol.com
info@heatandcontrol.com

Design and specifications are subject to change without notice.

CCW-SE SERIES

MULTIHEAD WEIGHER



CCW-SE-210

Ishida CCW-SE 214





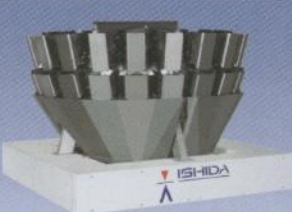
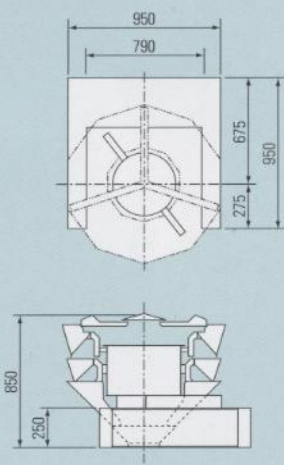
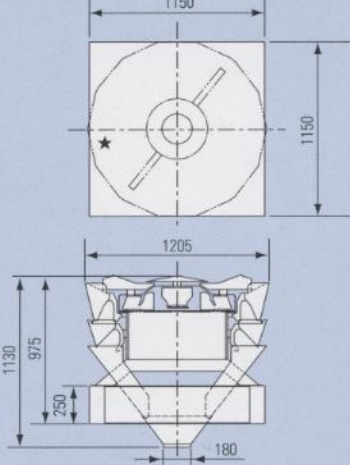
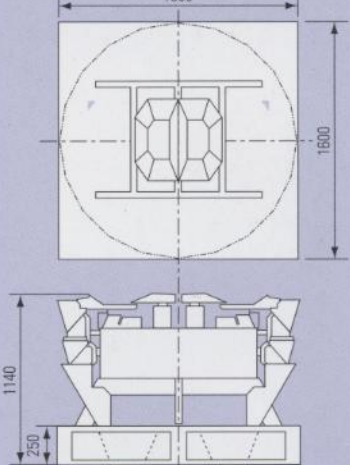
CCW-SE multihead weighers are affordable and easy-to-operate systems that maintain Ishida's reputation for manufacturing quality. CCW-SE weighers are easy to clean and maintain, and incorporate Ishida's proven technology to ensure years of dependable performance on the packaging line.

• **Single discharge 10-head and 14-head Weighers**

The open-ended main body frame provides quick access to product contact parts for easier cleaning and maintenance.

• **Dual-discharge 20-head Weigher**

Separate Remote Control Units operate each half of the system, allowing a different product to be independently weighed and discharged on each 10-head side.

	CCW-SE-210		CCW-SE-214		CCW-SE-220	
Model						
Dimensions Units: mm						
Weighing Capacity /Range (per single dump)	up to 500g up to 1000g		up to 400g up to 800g		up to 500g / one side up to 1000g / one side	
Maximum Weighing Accuracy (*)	$\bar{X} < 0.5g \sim 2.0g$ $\bar{X} < 1.0g \sim 5.0g$		$\bar{X} < 0.5g \sim 2.0g$ $\bar{X} < 1.0g \sim 5.0g$		$\bar{X} < 0.5g \sim 2.0g$ $\bar{X} < 1.0g \sim 5.0g$	
Maximum Volume for Weighing (per single dump)	3 liters		3 liters		3 liters / one side	
Maximum Weighing Speed (**)	55 WPM		85 WPM		55 WPM per side	
Minimum Graduation	0.1 g 0.2 g		0.1 g 0.2 g		0.1 g / one side 0.2 g / one side	
Touch Screen Display (RCU)	Fluorescent display (256 x 64 dot)				Fluorescent display (256 x 64 dot) for each side	
Weigh Cell	Double-beam strain gauge load cell in a new design					
Number of Presets	50		50		50 / one side	
Material	Product contact surfaces are made of stainless steel					
Machine Weight	250kg		500 kg		650 kg	
Options	Various options are available. Please contact Ishida distributors.					

(*) Depends on target weight, weighing speed and conditions.


(**) Depends on product shape, product density, target weight, etc.

Ishida, the world leader in weighing technologies, also manufactures a full line of checkweighers.

Specifications and design are subject to change without notice.



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