

Yamato

Checkweigher

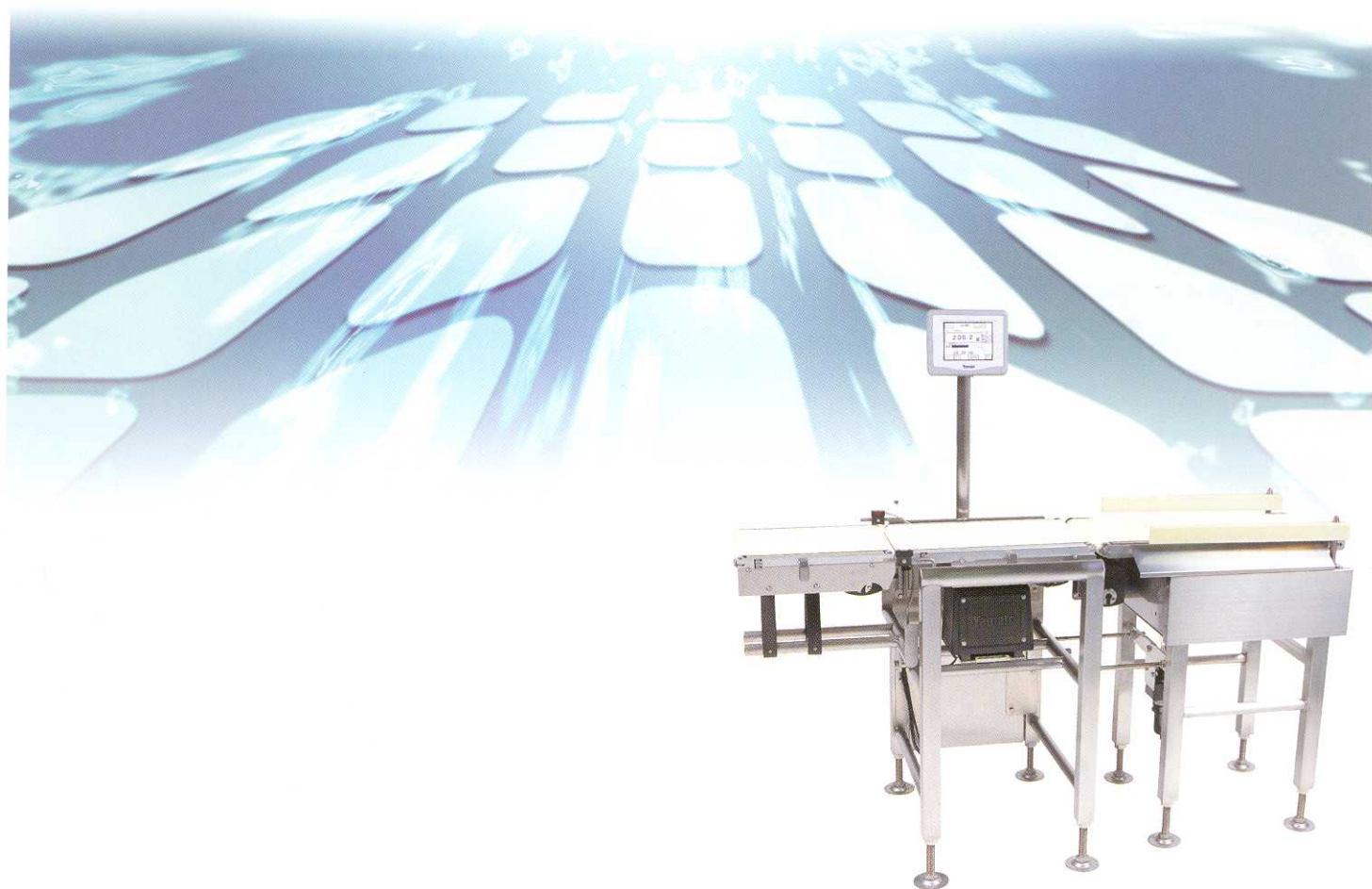
H series

Self recovery

Self-Diagnosis

Remote maintenance

Optimum control



HACCP compliant design provides the and value required

Complete Line-up

Standard construction, Washdown construction, Integrated checkweigher/metal detector combination, Integrated checkweigher/metal detector combination with washdown construction

Tubular Stainless Steel Frame is HACCP Compliant.

- Tubular stainless steel frame prevents product and dust build up.
- Paint free construction meets GMP requirements for medical products.
- Conveyor and conveyor belt detach without tools to provide easy changing and cleaning.

A Wide Variety of Layouts Meet Customer Requirements.

- Compact indicator can be mounted on a column or on the checkweigher body for a low profile for easy viewing from a distance.
- A metal detector or x-ray inspection device can easily be integrated into the CSH via a detachable conveyor to save floor space.

Meets International Standards.

- Multilingual (Japanese, English and Chinese).
- Accepts wide range of voltages (100, 115, 200, 220, 230 and 240 VAC)
- Conforms to OIML R51 and UL (now applying).

High Accuracy and High Speed.

- Load cells designed and produced by Yamato provide high accuracy at high speed.
- Vibration from the floor is mitigated with Yamato's advanced digital filter.

DC Motor Flexibility.

- Enables a wide range of conveyor speeds to meet your requirements.
- Conveyor speed can be controlled through the indicator.

Network Capabilities (optional).

- ARC NET & ETHERNET communication enables data acquisition with multiple stations and allows remote control operation.
- Processing feedback control.

Self Diagnosis.

- The various self-diagnosis utilities shorten recovery time from most problems.

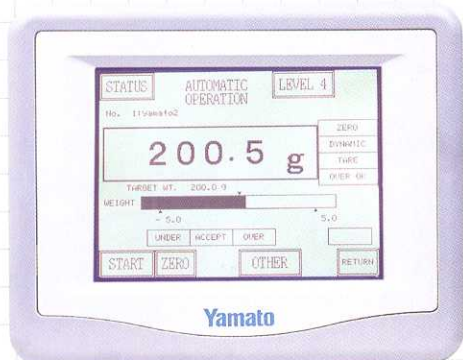


Advanced, Interactive Touch Screen Controller with "Wizard Function"

Product set-up: Up to 100 different program setups and parameters can be stored in memory for instant recall.

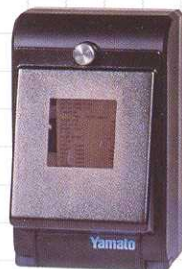
●The Wizard makes setup easy and error free.

The CE2100 6" monochrome liquid crystal indicator features a pressure sensitive touch screen that is connected to the main body of the checkweigher through ARC Net.

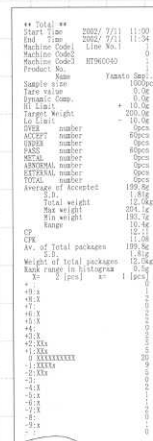


●Production Control Printer

Sum up and print out production control data through a simple menu.



Data Printer (option)
•with paper winding



Print sample

improved capability, control, indication in the modern production environment.

A Variety of Indications to Meet Your Production Needs (examples)

Program selection

STATUS	PROGRAM SETUP	LEVEL 4
No. 2	Yamato2	UP DAN
No. 1	Yamato	100.0 70
2	Yamato2	200.0 70
3		100.0 70
4		100.0 70
5		100.0 70
		ENTER CLR COPY RETURN

Automatic operation

STATUS	AUTOMATIC OPERATION	LEVEL 4
No. 1	Yamato2	
	200.5 g	
TARGET WT.	200.0 g	
HEIGHT	5.0	5.0
	UNDER ACCEPT OVER	
START	ZERO	OTHER RETURN

Trouble shooting

STATUS	TRUBLE SHOOTING	LEVEL 4
ERROR MESSAGE LOG.	HARDWARE CHECK	
ERROR EXPLANATION	SAMPLE TEST	
CM I/O CHECK	WEIGHING SWAPP	
CM SOFTWARE VER.	MEMORY CLEAR	
		RETURN

Menu

STATUS	MENU	LEVEL 4
No. 2	Yamato2	ENGLISH
PROGRAM SETUP	DATE/TIME	INITIAL CALIBRATION
PROGRAM SETUP	DATE/TIME	SYSTEM INSTALLATION
PROGRAM SELECTION	AUTOMATIC OPERATION	MANUAL OPERATION
PROGRAM SELECTION	AUTOMATIC OPERATION	TRUBLE SHOOTING
		TOUCH MENU ITEM

Histogram

STATUS	AUTOMATIC OPERATION	LEVEL 4
HISTOGRAM	1000	100
TOTAL	100	100
START	ZERO	OTHER RETURN

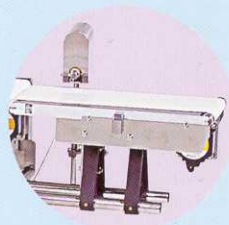
Scale setting

STATUS	SCALE SETUP-1	LEVEL 4
TARGET HEIGHT	200.0 g	
HIGH LIMIT	5.0 g	
LOW LIMIT	5.0 g	
OVER WT.	NO	
SAVE	HEIGHT	RETURN

Average

STATUS	AUTOMATIC OPERATION	LEVEL 4
AVERAGE	200.0	200.0
START	ZERO	OTHER RETURN

Reject systems for H series

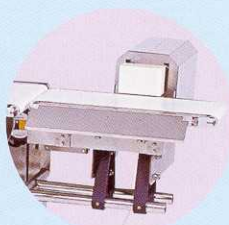


■ Pusher reject system

Type	PH21644I	PH22444I	PH23557F	PH24062	PH25055
Belt width×Conveyor length	W160×L435	W245×L435	W350×L450	W400×L620	W500×L547
Speed (Max.)	120packs /min.	100packs /min.	100packs /min.	40packs /min.	40packs /min.
Max weight	600g	2,200g	3,000g	30,000g	30,000g

■ Air blast reject system

Type	AH21644I	AH22444I
Belt width×Conveyor length	W160×L435	W245×L435
Speed (Max.)	330packs /min.	220packs /min.
Max weight	300g	300g



■ Diverter reject system

Type	FH31660F	FH32561F	F32570F	FH33575F	FH31044F
Belt width×Conveyor length	W160×L600	W250×L610	W250×L700	W350×L750	W100×L438
Speed (Max.)	150packs /min.	120packs /min.	120packs /min.	100packs /min.	150packs /min.
Max weight	600g	2,200g	2,200g	3,000g	600g



■ Driving drop flap reject system

Type	SH21644I	SH22444I	SH20925F
Belt width×Conveyor length	W160×L435	W245×L435	W85×L253
Speed (Max.)	80packs /min.	70packs /min.	70packs /min.
Max weight	600g	2,200g	600g



■ Chute reject system

Type	HH22633I
Belt width×Conveyor length	W265×L335
Speed (Max.)	70packs /min.
Max weight	2,200g

CSH06L/22L/06LW/22LW

Washdown construction
meets IP66 standards.

Standard construction
Washdown construction

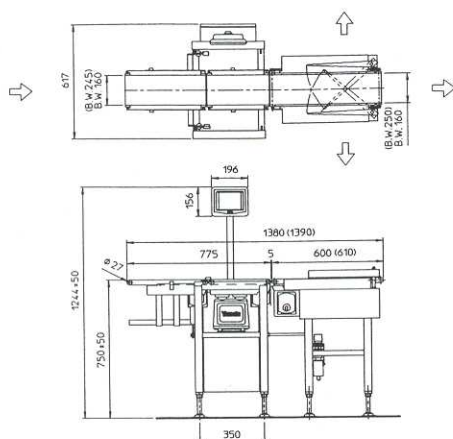


Specifications

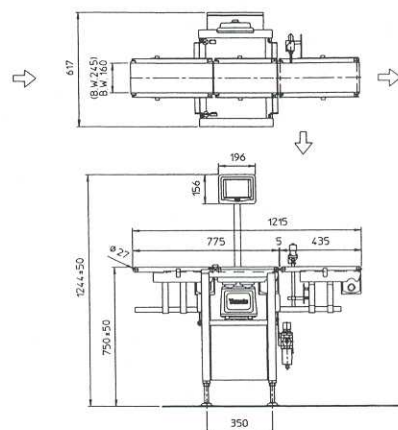
Model	CSH06L	CSH22L	CSH06LW (Washdown)	CSH22LW (Washdown)
Range	6~600g	20~2,200g	6~600g	20~2,200g
Accuracy ($\pm 3\sigma$)	$\pm 0.2g$	$\pm 0.3g$	$\pm 0.4g$	$\pm 0.5g$
Speed(Max.)	330packs/min	220packs/min	330packs/min	220packs/min
Increment	0.1g	0.1g	0.1g	0.1g
Products	Length	Max. 200mm	Max. 200mm	Max. 300mm
	Width	Max. 160mm	Max. 160mm	Max. 245mm
	Height	Min. 5mm	Min. 5mm	Min. 5mm
Washdown construction	—	—	IP66	IP66
Power consumption	500VA	500VA	500VA	500VA
Power supply	AC100·115·200·220·230·240V $\pm 10\%$ 50/60Hz single phase			
Air supply	0.5MpaG, 100NL/min (For Airjet reject system)			
Empty weight	Approx. 60kg	Approx. 65kg	Approx. 60kg	Approx. 65kg
Option	Reject system, Data printer, Data output			

The accuracy and the speed are subject to change by the shape and the contents of the checked products.
All illustration and specifications are subject to change without notice and drawing dimensions are not to scale and are approximate.
Please note that detecting sensitivity depends on the product characteristics and operation environment.

CSH06 (22) L (W) -F0/CE2100



CSH06 (22) L (W) -A0/CE2100



(W) is washdown construction.

CSH06LM/22LM/06LMW/22LMW

Integrated checkweigher/metal detector combination
Integrated checkweigher/metal detector combination
with washdown construction

Program changes are made at the
easy to use operator's console.
On/off control of the conveyor is also
done through the operator's console.

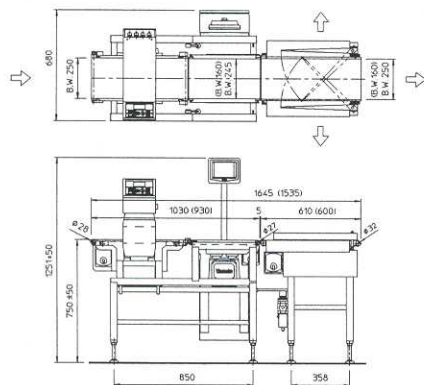


Specifications

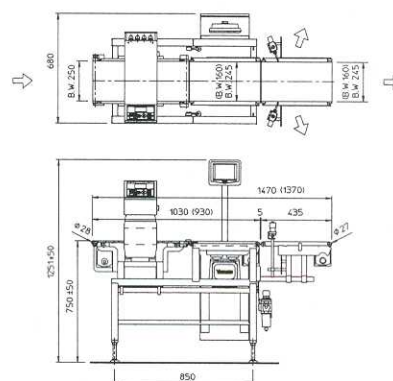
Model	CSH06LM	CSH22LM	CSH06LMW (Washdown)	CSH22LMW (Washdown)
Range	6~600g	20~2,200g	6~600g	20~2,200g
Accuracy ($\pm 3\sigma$)	$\pm 0.2g$	$\pm 0.3g$	$\pm 0.4g$	$\pm 0.5g$
Speed(Max.)	330packs/min	220packs/min	330packs/min	220packs/min
Increment	0.1g	0.1g	0.1g	0.1g
Products	Length	Max. 200mm	Max. 200mm	Max. 300mm
	Width	Max. 160mm	Max. 160mm	Max. 245mm
	Height	10~80mm	10~80mm	10~80mm
Maximum Sensitivity	Fe	$\phi 0.4mm$	$\phi 0.4mm$	$\phi 0.4mm$
	SUS304	$\phi 0.7mm$	$\phi 0.7mm$	$\phi 0.7mm$
Washdown construction	—	—	IP65	IP65
Power consumption	500VA	500VA	500VA	500VA
Power supply	AC100·115·200·220·230·240V $\pm 10\%$ 50/60Hz single phase			
Air supply	0.5MpaG, 100NL/min (For Airjet reject system)			
Empty weight	Approx. 100kg	Approx. 105kg	Approx. 100kg	Approx. 105kg
Option	Reject system, Data printer, Data output			

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CSH06 (22) LM (W) -F0/CE2100



CSH06 (22) LM (W) -A0/CE2100



(W) is washdown construction.

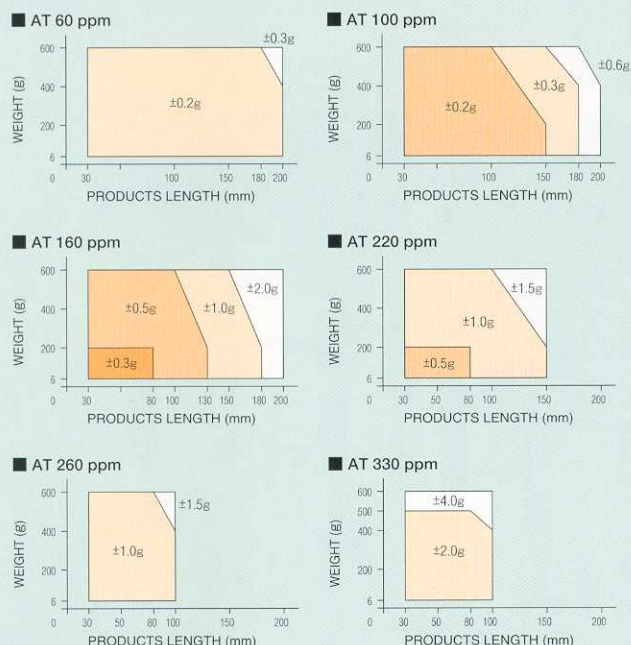
Accuracy Chart

Standard construction

Integrated checkweigher/metal detector combination

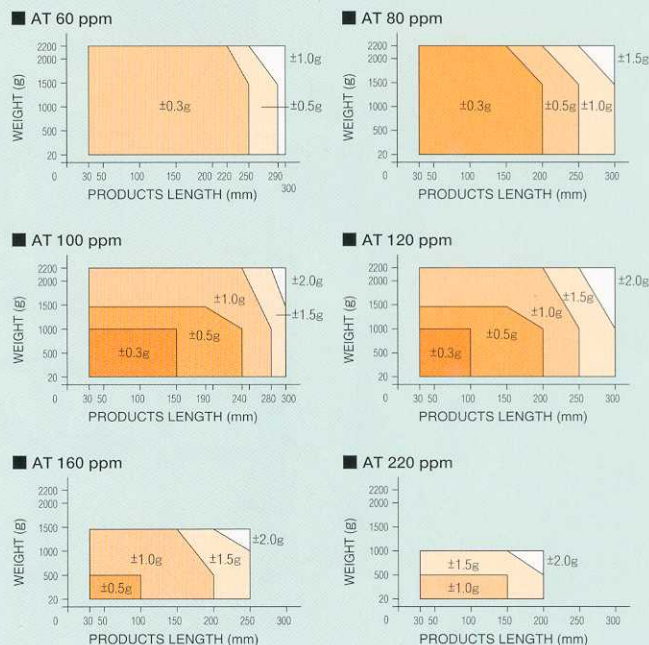
CSH06L/CSH06LM

Weigh conveyor length 335mm



CSH22L/CSH22LM

Weigh conveyor length 435mm

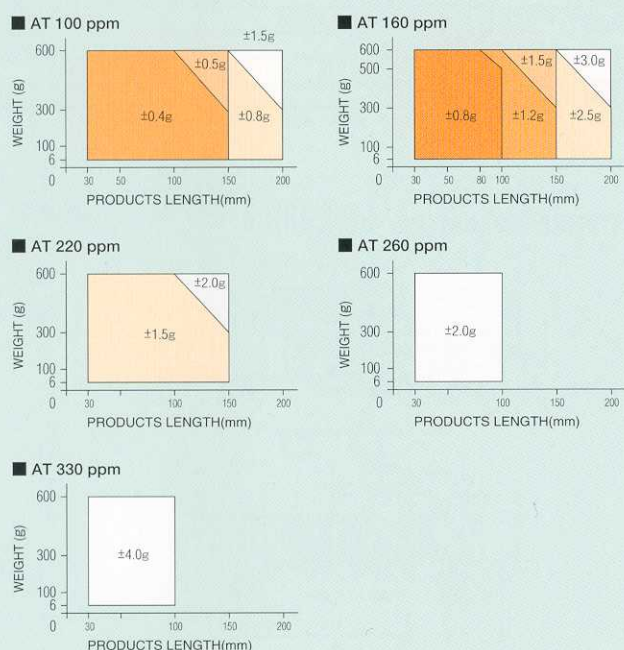


Washdown construction

Integrated checkweigher/metal detector combination with washdown construction

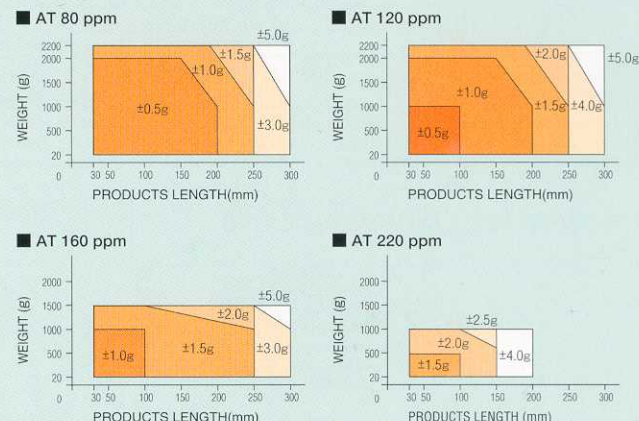
CSH06LW/CSH06LMW

Weigh conveyor length 335mm



CSH22LW/CSH22LMW

Weigh conveyor length 435mm



The accuracy is subject to change by the shape and the contents of the checked products. These machines are covered by one more patents worldwide.

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CUH60F

Checking weight and shortage of packs, carton etc. can be efficiently done with an easy control system. Installation requires the minimum of modification to the production line and meets all the requirements of the food, pharmaceutical and chemical industries.

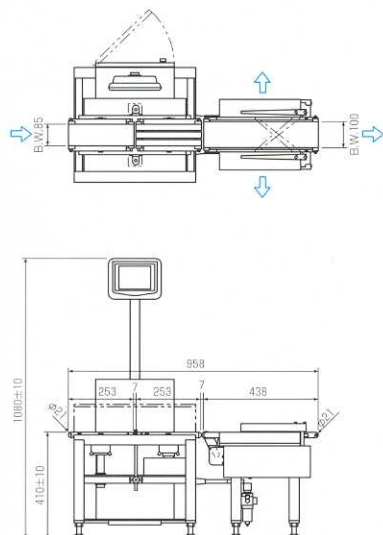
Specifications

Model	CUH60F	
Range	0.6~600g	
Accuracy ($\pm 3\sigma$)	$\pm 20\text{mg}$	
Speed(Max.)	400packs/min	
Increment	10mg	
Products	Length	Max. 160mm
	Width	Max. 85mm
	Height	Min. 0.5mm
Power consumption	500VA	
Power supply	AC100•115•200•220•230•240V $\pm 10\%$ 50/60Hz single phase	
Air supply	0.5MpaG, 50NL/min (For Reject system)	
Empty weight	Approx. 45 kg	
Option	Reject system, Data printer, Data output	

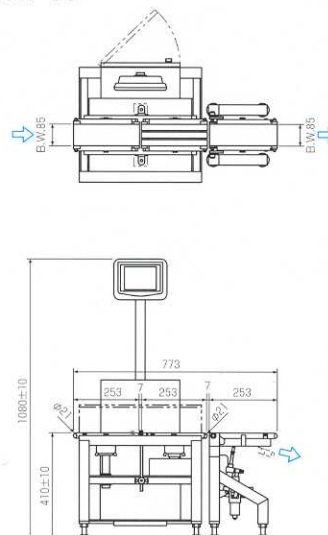
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Please note that detecting sensitivity depends on the product characteristics and operation environment.



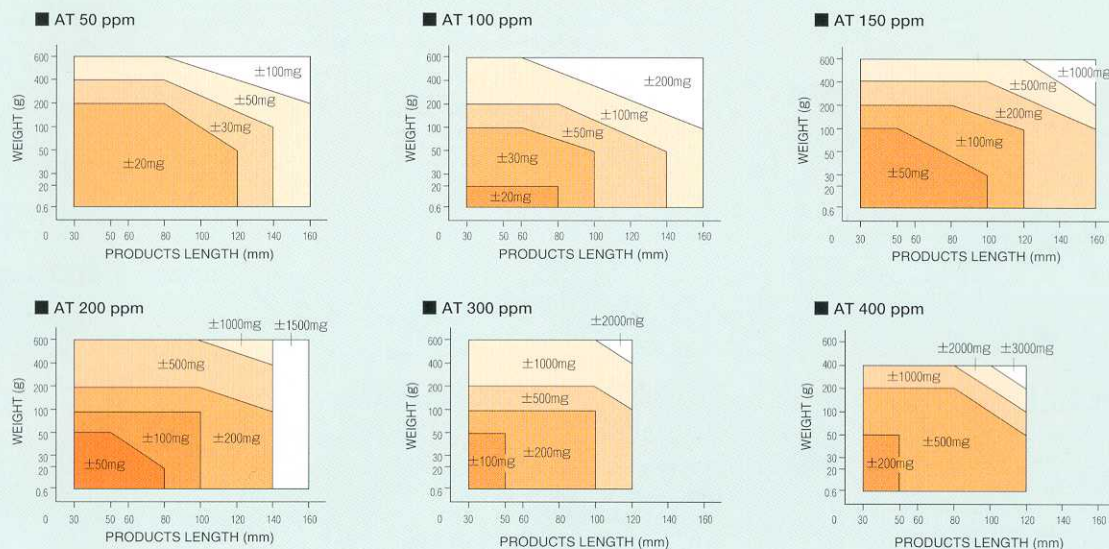
CUH60F-F0



CUH60F-S0



CUH60F



CMH03L/06L/12L

Standard construction.

Reliable weighing with high speed and high accuracy.

Electronic Balance Loadcell.



Standard specification

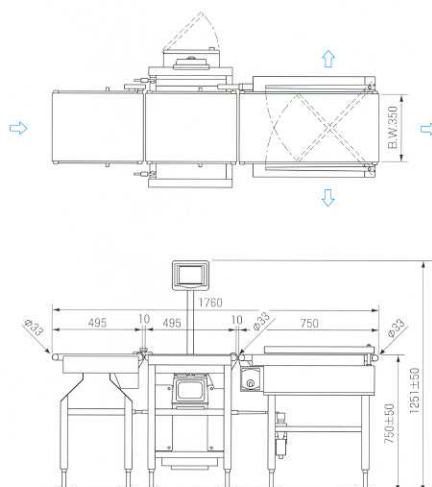
Model	CMH03L	CMH06L	CMH12L
Range	33~3300g	60~6000g	120~12000g
Accuracy ($\pm 3\sigma$)	$\pm 0.5g$	$\pm 1g$	$\pm 2g$
Speed(Max.)	100packs/min	70packs/min	50packs/min
Increment	0.2g	0.5g	1.0g
Products	Length	Max. 400mm	Max. 450mm
	Width	Max. 350mm	Max. 350mm
	Height	Min. 10mm	Min. 10mm
Power consumption	500VA	500VA	500VA
Power supply	AC100·115·200·220·230·240V $\pm 10\%$ 50/60Hz single phase		
Air supply	0.5MpaG, 50NL/min (For Reject system)		
Empty weight	Approx. 70kg	Approx. 75kg	Approx. 75kg
Option	Reject system, Data printer, Data output		

The accuracy is subject to change by the shape and the contents of the checked products.

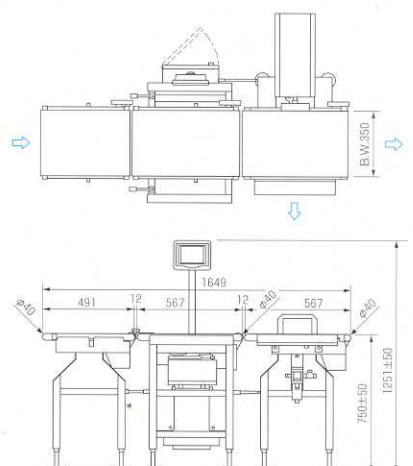
These machines are covered by one more patents worldwide.

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CMH03L-F0

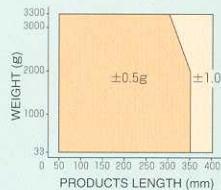


CMH06L/12L-P0

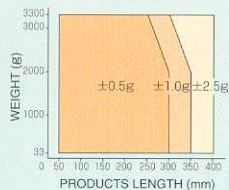


CMH03L

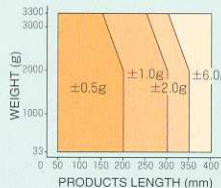
AT 30 ppm



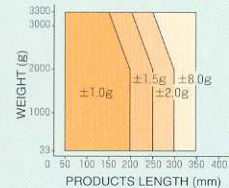
AT 50 ppm



AT 70 ppm

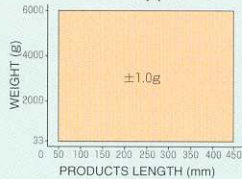


AT 100 ppm

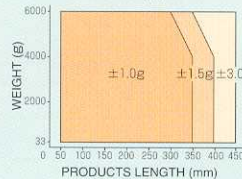


CMH06L

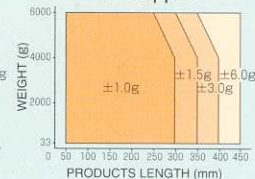
AT 30 ppm



AT 50 ppm

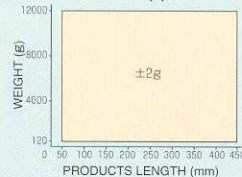


AT 70 ppm

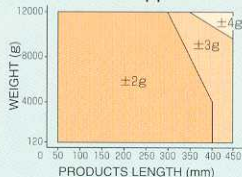


CMH12L

AT 30 ppm



AT 50 ppm



CMH30L

Reliable weighing with high speed and high accuracy.
Electronic Balance Loadcell.

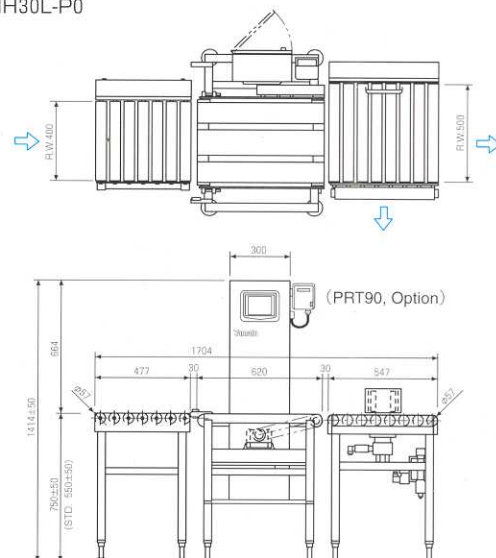


Specifications

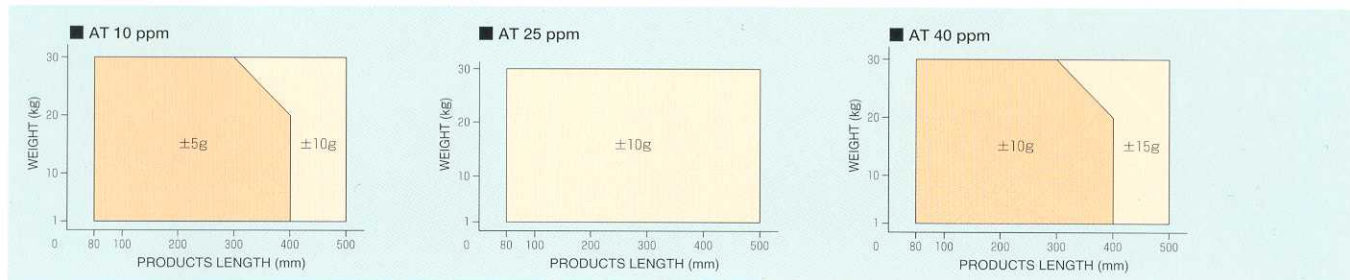
Model	CMH30L	
Range	1~30kg	
Accuracy ($\pm 3\sigma$)	$\pm 5g$	
Speed(Max.)	40packs/min	
Increment	5g	
Products	Length	Max. 500mm
	Width	Max. 450mm
	Height	Min. 10mm
Power consumption	700VA	
Power supply	AC100 $\pm 10\%$ & AC200-230(option) 50/60Hz single phase	
Air supply	0.5MpaG, 100NL/min (For Reject system)	
Empty weight	Approx. 100kg	
Option	Reject system, Data printer, Data output	

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CMH30L-P0



Accuracy Chart (CMH30L)



CLH30L/50L

Designed for automatically checkweighing heavy packs and cartons containing fertilizers, chemicals, flour, animal feed, brewed products, etc. Engineered for years of heavy-duty service, it will prove a valuable addition to your automated line.



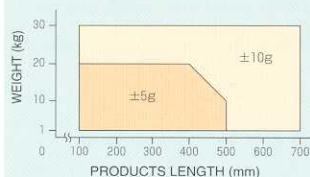
Standard specification

Model	CLH30L	CLH50L
Range	1~30kg	1~50kg
Accuracy ($\pm 3\sigma$)	$\pm 5g$	$\pm 10g$
Speed(Max.)	30packs/min	25packs/min
Increment	5g	10g
Products	Length	Max. 700mm
	Width	Max. 400mm
	Height	Min. 50mm
Power consumption	500VA	750VA
Power supply	AC200V $\pm 10\%$ 50/60Hz 3 phase	
Air supply	—	
Empty weight	Approx. 200kg	Approx. 250kg
Option	Reject system, Data printer, Data output	

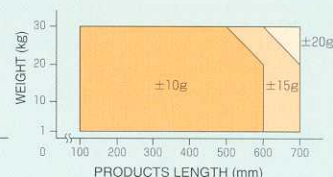
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CLH30L

■ AT 15 ppm

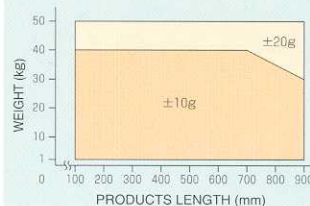


■ AT 30 ppm

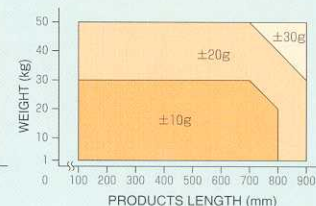


CLH50L

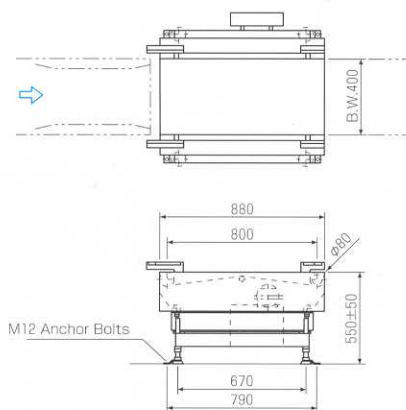
■ AT 15 ppm



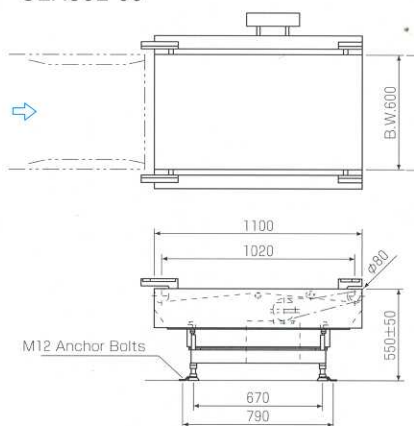
■ AT 25 ppm



CLH30L-00

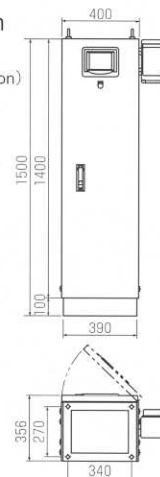


CLH50L-00



Operation Panel

(PRT80, Option)



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