

BOXER

MB-900 Series

Automated Cubing and Weighing System



A Complete Solution for Complicated Daily Cargo Measurement

Just put a cargo on the conveyor.

The BOXER ensures automation and systematization of logistics measurement.



SPECIAL FEATURES

Ishida proprietary measurement engineering is used to achieve the highest precision and reliability possible in automated measuring of cube and weight of cartons and packages.

*Simple weighing

An angle adjustment function allows cartons to be correctly measured regardless of the angle they are placed on the conveyor. (Some notched, irregularly-shaped cartons cannot be measured accurately.)



*Flexibility

One-way (through only) or bi-directional (send and return) operation selections provide a flexible system for adjusting operation to the amount of carton flow and number of people working.

*Reliable Design

The BOXER determines length, height and width of cartons by employing a grid of harmless infrared light beams. Length is also verified by a rotary encoder. A built-in alarm system makes numerous internal checks to assure system accuracy and dependability.

APPLICATIONS/BENEFITS

Freight Handling Operations

- Gives immediate computation of dimensional weight for shipping charges.
- Facilitates load, weight and balance planning.
- Does not damage package or package contents.

Warehousing/Distribution Center Operations

- Provides data for storage location selection, pick and order packing, and shipment planning.
- Eliminates manual data entry and protects data integrity.
- Provides data for determining shelving space allocations on a product-by-product basis.



BOXER

Now you can throw away your outdated tape measure and scales. The BOXER instantly and accurately records the cube and weight of cartons/packages.

In the past, accumulating dimensional and weight data has been labor intensive, time consuming and inaccurate. Now, ISHIDA offers an ingenious system for instantly and accurately cubing and weighing cartons/packages.

The BOXER is a conveyerized cubing and weighing system which allows freight to be measured in-motion.

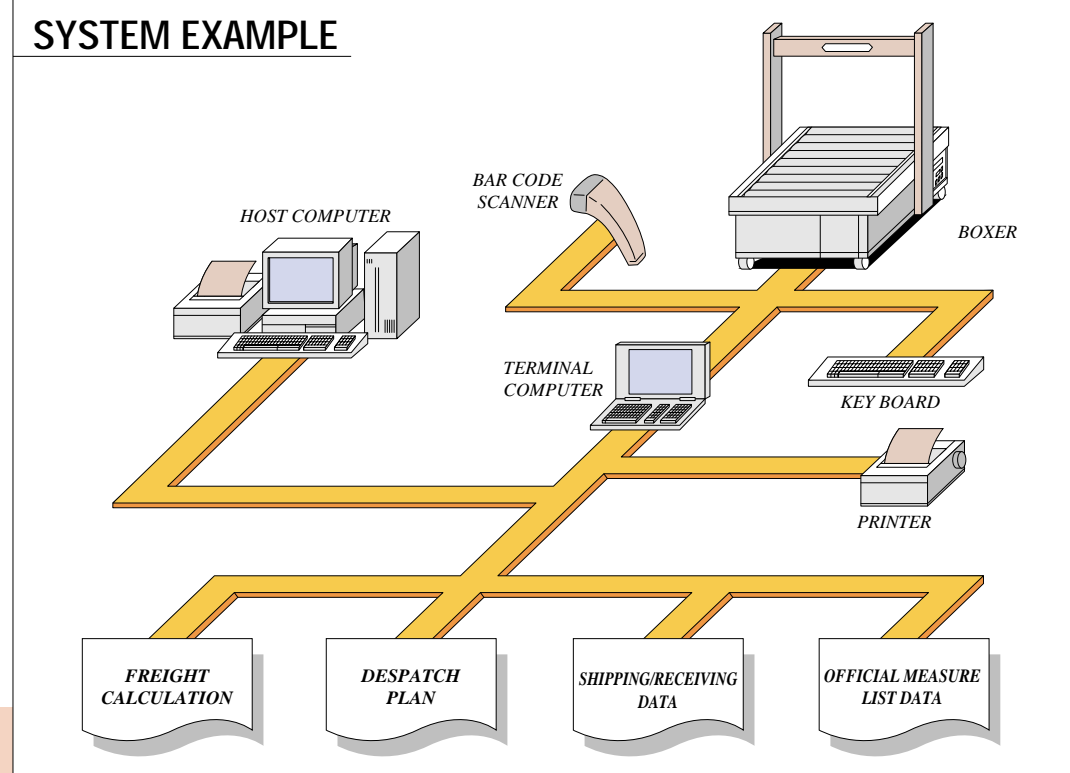
At the flip of a switch it will function as a one-directional (through only) or bi-directional (send and return) in-motion cubing and weighing system.

Collected data is passed directly to your computer system so that dimensional data, shipping charges, and load planning information can be immediately processed and used.



- Operates to a max. speed of 100m/min. (160m/min. optional).
- Measures and weighs in-motion.
- Calculates dimensions instantly and accurately.
- Measures cartons in any orientation.
- One way or bi-directional operation.
- Can be configured for in line or stand alone operation.
- Compact size with high performance.
- Maintenance free with dust/water resistive sensors.

SYSTEM EXAMPLE

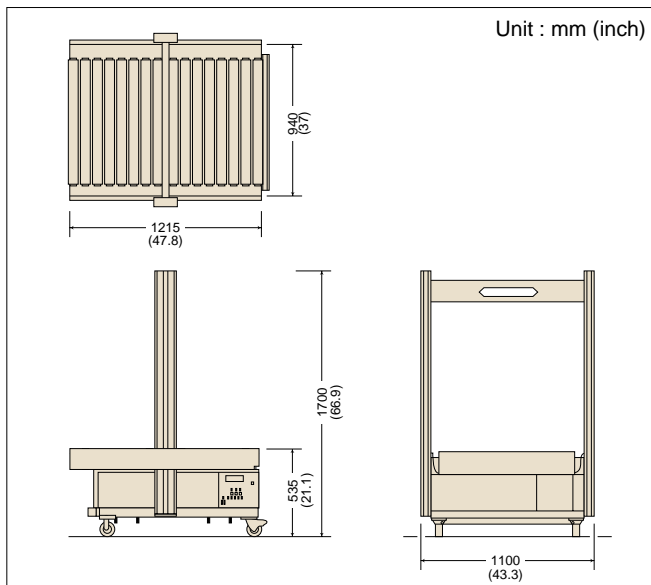


SPECIFICATIONS

Model	MB-900A	MB-900B	MB-900H (Cubing only)
Conveyor speed	50Hz: 21m/min. 70ft/min. 60Hz: 25m/min. 83ft/min.	50Hz: 33m/min. (110ft/min.) 60Hz: 40m/min. (133ft/min.)	100m/min. (160m/min. optional) 333ft/min. (533ft/min. optional) with speed controller
Measuring range/ Min. graduation	(L) 20 - 120cm/0.5cm (7.8" - 47"/0.2") (W) 5 - 90cm/0.5cm (2" - 35.5"/0.2") (H) 3 - 90cm/0.5cm (1.2" - 35.5"/0.2")		(L) 20 - 120cm/1cm (7.8" - 47"/0.4") (W) 5 - 90cm/1cm (2" - 35.5"/0.4") (H) 3 - 90cm/1cm (1.2" - 35.5"/0.4")
Weighing range/ Min. graduation	0.2 - 50kg/0.1kg (0.2 - 50kg/0.05kg optional) 0.4 - 100lb/0.2lb (0.4 - 100lb/0.1lb optional) (100kg/0.1kg optional) (200lb/0.2lb optional)		-
Required cargo interval	1m or more (3.3ft or more)		0.5m or more (1.6ft or more)
Measuring sensor	Infrared light beams & rotary encoder		
Weighing sensor	Load cell		-
Data output	EIA RS232C, Bi-directional		
Conveyor direction	Bi-directional	One way	One way (Cubing only)
Alarm light	Optional	Standard	Standard
Power supply	AC220V, 50/60Hz, single phase, 500VA		AC220V, 50/60Hz, single phase, 500VA AC380V, 50/60Hz, three phase, 750VA
Weight	Approx. 260kg (520lb)		

*European specifications and dimensions may change.
Consult with your distributor when you need the European type.

DIMENSIONS



*Design and specifications are subject to change without notice.



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