

# 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.





# 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Now you can throw away your outdated tape measure and scales.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.

## 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

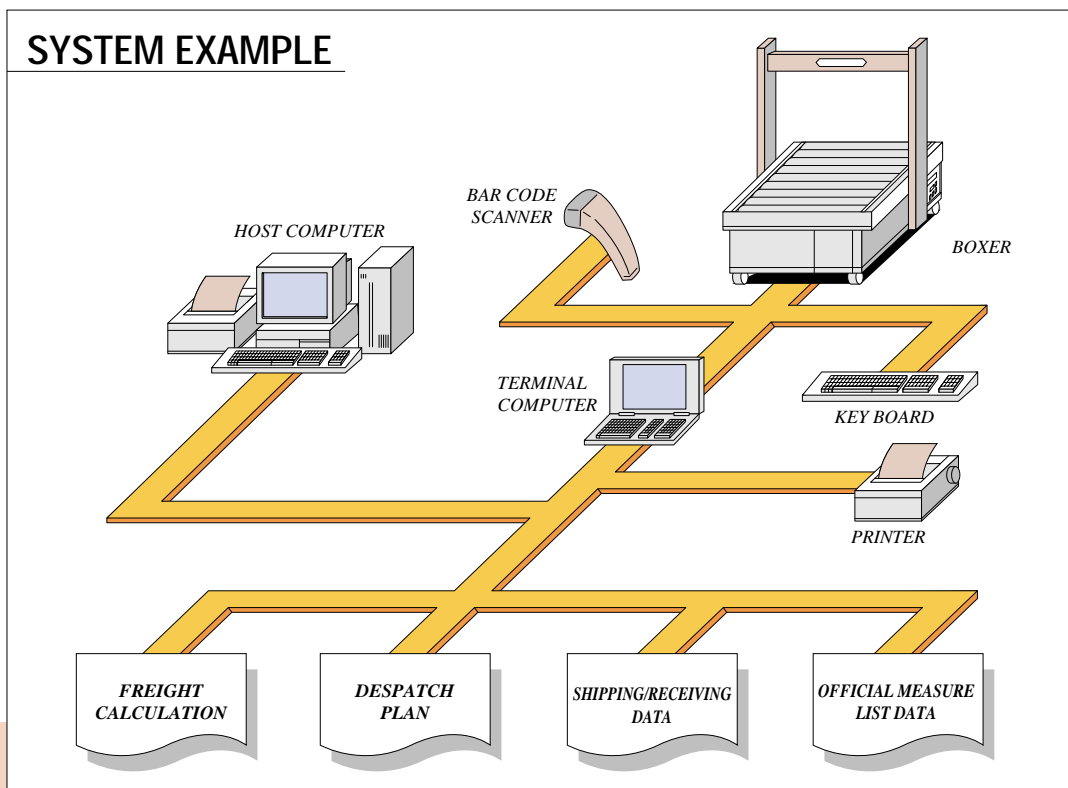
- Gives immediate computation of dimensional weight for shipping charges.
- Facilitates load, weight and balance planning.
- Does not damage package or package contents.

### 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.



## SYSTEM EXAMPLE

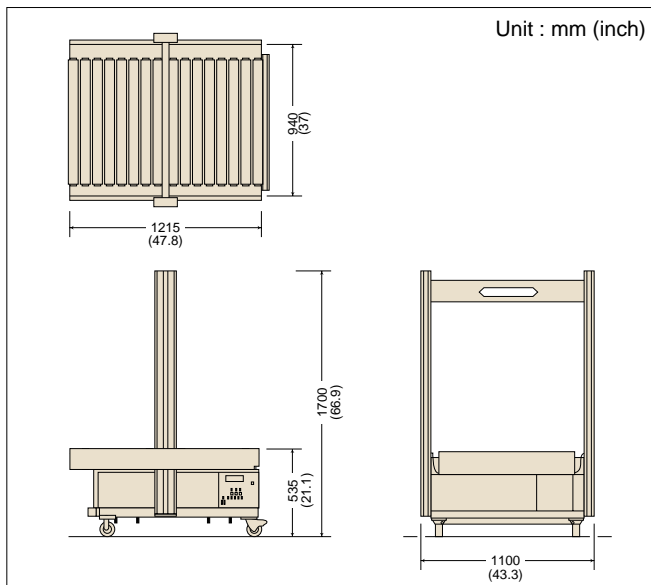


# SPECIFICATIONS

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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