

# RVSS

## Rotating Volume Scanning System

Large Freight Dimensional Scanner



## Fast, accurate, simple volumetric freight scanning

A unique large object and pallet dimensioning device combining affordable pricing with high-tech dimensioning. The RVSS can be installed with existing pallet wrapping hardware, or by adding a rotating turn-table to your operation. The RVSS utilizes Class 1 infrared laser-sensing technology, providing the ability to measure any shape, color, packaging material, or in any orientation.

The RVSS is ideal for LTL Carriers, manufacturers, and distribution centers for accurately capturing dimensions of large freight for shipping charges, data collection for negotiating better rates, and for accurate storage and retrieval of large items. Utilizing fixed array barcode scanners, the RVSS can be operated in unattended mode to capture dimensions, a unique pallet ID number, and weight.

Included with every RVSS is a SICK LMS500 infrared scanner, mounting hardware, 17" resistive touch screen, electronic enclosure with status lights, USB camera, industrial PC with keyboard and mouse with Windows 7 Embedded. Standard PC client and real-time data transfer is included.

Specifications	RVSS
<b>Physical specifications</b>	
Dimensions (LxWxH)	30" x 24" x 132" (76.2 x 60.96 x 335.28 cm)
Weight	90 lbs.
<b>Performance</b>	
<b>Certifications:</b>	(OIML Approved) NTEP Pending
<b>Dim Capacity:</b>	
Minimum:	8" x 8" x 4" (20.32 x 20.32 x 10.16 cm)
Maximum:	120" x 120" x 120" (304.8 x 304.8 x 304.8 cm)
Measuring accuracy:	+/- 0.5"/1 cm
Measuring division:	0.1"/1 mm
<b>Speed:</b>	Within 5 sec. Depends on rotating base
<b>Other</b>	
Power supply VAC:	95-240 VAC
Measuring sensor:	Infrared
Warranty:	2 Years
Data Output:	CSV File XML File HTTP
User interface:	Windows
Scale i/o:	RS232, USB
Operating Temperature:	+32°F - +122°F 0°C - +50°C
Installation: Humidity	Floor Mount Dinden 60068 - 2-6 (2008-10)
<b>Accessories</b>	
Fixed Scanner	Barcode Scanning Kit
Floor Scale	Custom Interface Software
Barcode Label Printer	

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### HIGHLIGHTS

Top performance in accuracy and speed, which is crucial for efficiently and accurately capturing shipment and product master data (dimensions and weight).

- Standard PC client and real-time data transfer
- Simple construction and installation to reduce implementation and maintenance costs.
- Unique plug-in to WMS, TMS, and ERP systems
- Data management: Dimensions (L x W x H), weight, volume, volume weight
- Ten user-defined values (for example: product ID, article name, etc.)
- Save data in a .csv file
- User definable dim factor (kg/m3)
- Standard serial interface to external scale, custom i/o available.
- Image capture available via standard webcam i/o.



### APPLICATIONS

#### Warehouse, distribution, manufacturing, and mail room

**Optimize packaging:** Shipping items in oversized cartons costs money – the RVSS PC client alarms if volume (dimensional) weight is greater.

**Shipping:** Freight costs are almost impossible to calculate manually with dim factor, dimensional weight etc., but with the RVSS, it's done simply by pressing a button, saving minutes per shipment.

**Receiving and storage optimization:** Register product master data (dimensions, weight) automatically into your WMS/ERP. Optimize storage space, automated shipment volume calculation based on stored product master data.

#### Freight, courier and shipping companies

**Recapture lost revenue:** By automatically re-measuring and re-weighing you can increase revenue 5-20%.

**Eliminate errors:** Manual data entry and manual measuring can cause errors. Eliminate by using to automatically capture dimensions and weight and calculate chargeable weight.

**Increase customer service:** Use the RVSS to capture freight rate to optimize customer spending.

