



DIMENSIONING SYSTEMS



RICE LAKE®
WEIGHING SYSTEMS

www.ricelake.com

2nd Generation

Rice Lake's iDimension Plus is the best-in-class solution for measuring boxes, flats, polybags, tubes and irregular-shaped packages. iDimension Plus eliminates dimensional weight corrections and carrier fees by providing accurate dimension and weight calculations required by parcel and postal carriers.

Easy Setup

iDimension Plus uses a pre-assembled telescoping pole assembly with scanner height settings at 1,2 or 1,5 meters above a work surface.

The second generation head is backward-compatible with the original pole assembly, making an easy upgrade path to take advantage of improved measuring capabilities.

iDimension Plus is also available without a pole assembly for mounting the dimensioning head on a freestanding frame or existing structure.

Speed and Accuracy

Parcels are dimensioned faster and more accurately than manual measurements, eliminating the risk of human error while gaining efficiency and labor savings.

With industry-leading speed, parcels are automatically measured within 5 mm, with no need for special alignment or handling while placing a package under the dimensioner.

iDimension Plus can dimension irregular-shaped packages such as cylinders, spheres, tubes, polybags and uneven shapes.

INNOVATIVE TECHNOLOGY

iDimension Plus uses the latest dimensioning technology coupled with industry-leading algorithms to deliver Legal for Trade dimensions in a fraction of a second. Using an attached BenchPro™ scale and RGB Assist mode, dimensions can be captured for envelopes, flats and small objects that fall below the 61-millimeter Legal for Trade limit.

iDimension Plus comes standard with Ethernet TCP/IP, dual USB-A ports and Wi-Fi.

OPERATOR DISPLAY

A 10-inch color touchscreen display provides instant feedback, with images, dimensions, weights and intuitive operator functions for day-to-day use.

OPERATING VERSATILITY

iDimension Plus has automatic and manual trigger configurations. A small footprint and configurable scan area provide easy integration into any workspace.





iDimension® Plus (without pole)

iDimension Plus is available without the pole assembly for applications that require a setup height between 1,5 and 2 m. As shown here, iDimension Plus is installed over a conveyor with the optional floor stand.

Portability Cart

An optional 0,61 × 1,219 m cart and battery make it easy to take iDimension Plus into warehouse and part locations. The cart features 229-millimeter pneumatic wheels, a laptop shelf and storage pocket. The dimensioner can operate for 45 hours on a single charge. The battery will recharge from 0 to 100% in 5 hours or fast charge in 1 hour when needed.



ELS (Elevated Load Cell Stands)

The ELS Series offers a convenient way to add weight measurement to existing gravity feed conveyors. The stands are adjustable in width, height and length, and provide excellent load introduction and overload protection—turning a conveyor section into a highly accurate scale.

SOFTWARE INTEGRATION

Download the free iDimension app from www.ricelake.com/software for tools to save dimensional data and images.

API and SDK are available for simple API integration through HTTP requests, status checking and XML parsing.

iDimension QubeVu Server API provides secure data uploads (push) to local and remote data centers, including cloud-based locations using REST API with OAuth 2.0.

iDimension SS (software suite) automatically stores and exports data and images to an FTP file server. FTP, FTPS, SFTP and SMB file transfers are supported. Data protocols include CSV, JSON, XML and TXT.

RT-M Roller Top

The RT-M roller top scale has integrated overload protection, four load cells, a mild steel powder-coated frame and a 100 × 0.05-pound capacity.





Peripherals

Connect iDimension Plus to a Rice Lake BenchPro Series shipping scale to capture weight for each measurement. Users may also connect iDimension Plus to a USB bar code scanner to manually trigger dimensioning and add bar code text data.



SPECIFICATIONS

POWER REQUIREMENTS:	Includes AC adapter for 110 - 240 power source
OBJECT COLORS:	All opaque packaging
MEASUREMENT TIME:	Less than 1 second
DISPLAY:	10 inch projected capacitive touchscreen
OPERATING TEMPERATURE:	0° C to 35° C
HUMIDITY:	Non-condensing
COMMUNICATION PORTS:	(2) USB type A ports at base of pole (1) 10/100/1000 BASE-T Ethernet port (interface to PC) (1) Wi-Fi radio
PACKAGE CONTENTS:	iDimension Plus, telescoping pole assembly, calibration object, accuracy test object, operator display, assembly tool kit, AC adapter, operator manual and quick assembly document
WARRANTY:	Two-year limited

APPROVALS



Shipping Software and WMS Interface

iDimension Plus is compatible with popular shipping programs, including UPS WorldShip® and Federal Express Ship Manager. Contact Rice Lake to learn about other compatible software programs including WMS, TMS and ERP systems.

Measuring Capabilities

The measurement cone illustrated below helps identify the largest size of object that can be dimensioned based on the sensor height.

