Eye on Dimensioning Feature Spotlight

Measuring Irregular and Small Objects

Introduction

iDimension™ Series version 4.9.1.162 firmware (NTEP pending) is now available for download. This version enhances dimensioning performance with irregular shaped objects and items measuring less than two inches in height.

Flat Detection

To measure objects less than two inches in height, enable iDimension's flat detection feature using the QubeVu Manager configuration menu, or connect a compatible scale via the USB port.

Background Color

The background color of your dimensioning area is key to the system's accuracy. When measuring irregular or small items, iDimension relies on the RGB sensor to calculate dimensions. For optimal functionality, use the matte black base plate as your measuring surface. If using a scale, paint the scale's top weighing platform a matte black color.

Area of Interest and Work Area Configuration

Using QubeVu Manager, configure the Area of Interest and Work Area according to manual instructions prior to testing. Make sure the Area of Interest and Work Area are large enough to accommodate your largest irregular object.

Motion Setting Configuration

Irregular objects typically do not have flat surfaces, so they tend to move when placed on the platform. Reducing the motion setting from the factory default of 2 percent to 0.5 percent ensures stable results.

Manual Trigger Method

When dimensioning irregular objects, Rice Lake recommends configuring the system to dimension in manual mode. In manual mode, use the QubeVu Manager to initiate the scan, or attach a USB bar code scanner to trigger dimensioning.

Test for Accuracy

Rice Lake suggests testing for accuracy in metric mode and using a metric tape measure to compare results. If measuring identical packages in different orientations with iDimension, make sure to test and document the measurements to ensure accuracy.

Contact our Rice Lake iDimension sales and support team with any questions at 1-800-472-6703.