

Application Brief

In-Motion Checkweigher Conversion

Application: Random Box Weighing

Customer Requirement:

A bottle cap manufacturer needed to verify the amount of caps in a box prior to shipping to their customer. Boxes that did not meet weight targets were “rejected” to a recount area. The OEM brand existing checkweigher had obsolete electronics, and poor local service. Customer wanted to re-use as much of existing system as possible to reduce cost.

Scale system was to be mounted 10' up in the air on top of an existing scale stand assembly.

Hardware and Configuration:

- * Analog Bench Scale
- * Mettler-Toledo 9483 Checkweigher Controller
- * 5-Zone Light Tree



System Overview



9483 Controller

SSC Solution:

System Scale was able to modify the existing scale conveyor to match a new bench scale. The existing controls were removed and the 9483 controller was wired to the existing wiring, including the PLC interface which controlled the downstream rejection arm and conveyor. A light tree was added to allow the operator to see box status (**OK**, OK Heavy, **HEAVY**, OK Light, **LIGHT**) and quickly see any fill trends that may be developing. Customer savings exceeded \$ 7,000.00 by re-using the existing scale conveyor.

<u>Features</u>	<u>Customer Benefit</u>
Updated Controls	Reliability
Re-Use Major Parts of Existing Unit	\$ 7,000.00 plus in savings
Remote Light Tree	Operators can quickly see fill trends from a distance
High Level Output	Interface with customers PLC
Local Service	Reduced downtime - Same day service

Industry: Manufacturing / Distribution

Products: Bench Scale / Mettler-Toledo 9483 Express Check

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