

Application Brief

Static Checkweigher

Application: KIT Verification

Customer Requirement:

A truck trailer manufacturer would ship large axles to OEM customers. A box of parts (KIT) would accompany the axles which might include clips, washers, bolts and other materials required for the proper installation of the axle. Complaints were generated by customers who claimed, that they were shorted some parts.

The customer was losing in two areas:

1. OEM's were not happy when a KIT was short
2. Axle Manufacturer had the added expense to overnight parts to make up shortage.

Hardware and Configuration:

- * Analog Bench Scale
- * Mettler-Toledo Panther Plus Indicator
- * 3-Zone Light Tree
- * Foot Pedal To Set Target Weight



Controller with Lights



Verifying Parts

SSC Solution:

Since multiple, "same type" KITS were made at the same time, a "MASTER KIT" was hand filled and verified. This master kit was then rolled onto the scale system. The operator pressed the foot switch to set the target weight for that KIT. The indicator **automatically set** "over" and "under" target weights based on the master kit weight.

Subsequent boxes were then rolled onto the scale. A light tree alerted the operator if the KIT currently on the scale was within tolerance ("OK" = the right amount of parts were in the box). The operator then logged the transaction on the customer manifest. **This system has virtually eliminated the amount of OEM complaints received by short KITS.**

<u>Features</u>	<u>Customer Benefit</u>
Foot Pedal Target / Easy to Use	Fast and Easy Setup for new operators
Conveyor Mounted on Scale	Reduces Operator Injuries
Economical	Fast payback for value received

Industry: Manufacturing (Automotive)

Products: Mettler-Toledo Bench Scale / Panther

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