

SmartShelf™ for Auto Manufacturing

Weighing Pads for Inventory Management



“Since installing SmartShelf weighing pads in one of our industrial vending machines, we have seen many benefits including improved inventory control.”

Plant Manager

A large auto parts manufacturing company was encountering inconsistencies in their inventory management of critical equipment, leading to disruptions in production. The company turned to METTLER TOLEDO to help them correct the issue so they could provide more consistent service to customers with uninterrupted production of products.

Situation

An automotive parts manufacturing company produces a variety of critical parts used in the end products of their customers. Parts necessary for production such as PPE and fasteners were often miscalculated during inventory, leading to a disruption in production lines for days at a time until items could be restocked.

Benefit

The warehouse installed an industrial vending machine with weighing pads to track inventory on a more consistent basis. This led to several benefits:

- Correction of inventory management
- Reduction of time spent on inventory management
- Decreased downtime of production lines

The Challenge

The warehouse was unable to accurately track the inventory of equipment including Personal Protection Equipment (PPE), fasteners, and other small parts. These parts are all necessary for production to run, causing a shutdown when inventory ran out. This led to customer complaints due to delayed production, and the overbuying of these products to ensure fewer shortages. They needed a way to keep just enough in stock to continue consistent production runs.



The Solution

SmartShelf weighing pads in an industrial vending machine allowed the factory to utilize bins to track inventory through their inventory management system. A weight measurement can be taken multiple times per day to confirm how much inventory is left in each bin, noting when a piece has been removed. Connecting the SmartShelf system to their inventory management system allowed for quick, consistent measurements of inventory and better insight into restocking patterns.



The Result

SmartShelf weighing pads allowed employees to focus on production lines rather than performing inventory checks. Patterns in the usage of PPE, fasteners, and other items have been discovered, leading to more consistent production and satisfied customers. The company now delivers auto parts to their customers on time and much more efficiently than ever before, taking the average production time from 72 hours down to 24 hours or less!



Learn more:

► www.mt.com/IND-SmartShelf

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Subject to technical changes

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