

A Rolling On Interroll success story

THE PAYBACK OF ACCURATE CHECKWEIGHING FOR A GLOBAL BAKERY SUPPLIER

Prime USA Scales, Inc., a Nevada (USA) based checkweigher manufacturer offers dynamic weighing and product inspection solutions for manufacturers and packaging houses in a variety of industries around the world.

The crucial importance of accurate checkweighing in the bakery industry is illustrated in the following case.

THE CHALLENGE

A global bakery supplier of liquid glaze and frosting was inconsistently filling 3 and 5 gallon pails of product. Because of variability in the product flow as plant temperatures increased after start up, the time-fill machine was overfilling the buckets by as much as 5% to ensure that minimum specification weights were met. Additionally, lids were not always secure and bar code labels were sometimes missing.



THE SOLUTION

Prime USA Scales, Inc. designed a checkweigher, label detection and lid detection system that solved all of the above issues. Sensors and communication systems were installed in the scale controller to provide centralized control of the fill line. The 5% overfill was eliminated and the operators had reliable and instantaneous feedback of the operation of the filler, capper and labeler.

Being modular and open architecture in design, these systems are fully configurable and customizable to meet almost every production line configuration. From semi-automatic labeling to full mini pack out and automatic labeling lines, features such as data reporting, additional labeling and track and trace systems can be easily integrated from the beginning, or added on over time. These systems are available in several control platforms such as Rockwell, Omron, Siemens and B&R; allowing for true native communications and controls with seamless plug and play integration possibilities.



IN A NUTSHELL

With an investment of roughly \$235,000 (seven scales), the customer could achieve savings of approx. \$750,000/year, resulting in a payback period of just 114 days.

After a six-month trial period, six additional lines were equipped with the system.

This clearly confirms the crucial importance of accurate checkweighing in the product inspection and packaging processes.

COMPANY DETAILS

Prime USA Scales, Inc.

Prime USA Scales, Inc. is an original manufacturer of checkweighing machines and systems.

Cost effective and robust in-motion scales with accuracies up to 0.1 grams are engineered and constructed with non-proprietary open architecture and open source standards for seamless integration into production and packaging lines.

The company's in-motion inspection systems include in-motion labeling, marking, coding, sorting, metal detection and X-ray while providing secure non-proprietary open source tag or value based data in real time.

Prime USA Scales, Inc.

is an official partner of the Rolling On Interroll program of the worldwide Interroll Group.



- As primary drive mechanism for its checkweighers, Prime USA Scales, Inc. relies since many years on drum motors from Interroll. The compact and hygienic design, paired with the quality and reliability of the drum motors, fit well into AP Dataweigh Inc.'s innovative systems. By displaying the Rolling On Interroll sign on their machines, Prime USA Scales, Inc. makes the use of cutting-edge drive technology visible to their customers.