EMI®

CONVEYORS & AUTOMATION SYSTEMS

Batch-Mode Weigh Scale

Accuracy to within 0.5 grams

EMI's batch mode, Weigh Scale Hopper was specifically developed to provide maximum, part counting accuracy. Depending upon the size of the load cell selected, Weigh Scale Hoppers are capable of detecting part weight as small as 0.5 grams.

Accurate - Because the Weigh Scale Hopper weighs in small batches, it can achieve a much greater level of accuracy than traditional platform style weigh systems that must weigh the container, the weigh scale platform and the total number of parts. The Weigh Scale Hopper can achieve accuracy to within 0.5 grams - however, the final degree of accuracy will depend upon a number of application factors, including the size of the parts, number of parts on the final cleat, feeding conveyor speed, etc.

Fast - The Weigh Scale Hopper does not have to stop filling while a new box is moved into the fill position.

Flexible - The Weigh Scale Hopper can be used with almost any box or bag filling system. It can also be used with existing cycle count systems - simply slide it into place and the system becomes a weigh scale system.

Space Saving - The Weigh Scale Hopper does not require a separate fill position.

Economical - The Weigh Scale Hopper costs less than traditional weigh scale systems.

Exceptional Versatility!

Weigh Scale Hoppers can be used with almost any type of container filling system – including, Inline, automated turntables, bag filling, box filling, multi-level storage systems, etc.

Batch-Mode Weigh Scale

Weigh Scale Hopper Box Filling System

How it Works:

- By sampling a given number of parts in the hopper, a part weight and batch weight is determined.
- The number of parts required for a full container is entered into the control system.
- The feeding conveyor fills the weigh hopper until the batch weight is reached.
- The feeding conveyor stops momentarily while the weigh hopper dumps the batch into the container.
- Batches are filled into the container until the final batch is being filled. The controller then determines how many more parts have to be filled to meet the final weight. As the final parts are being filled, the controller slows the feeding conveyor to allow the parts to slowly dribble in.
- The hopper dumps the last batch, zeros itself out and immediately begins filling again.
- The container indexes and a new container takes its place.