

# Coperion K-Tron Smart Weigh Belt Feeder

Coperion K-Tron's new Smart Weigh Belt (SWB) feeder offers continuous online auto tare by using two Smart Force Transducer III digital weigh modules\*. Automatic and continuous online taring of the belt reduces costly maintenance, line shutdowns and laborious manual calibration and improves long term accuracy. Other features outlined below and on the reverse further improve the accuracy of the SWB, which sets a new standard in weigh belt feeder reliability. The SWB is available in both 300 and 600 mm belt widths. Both have stainless steel enclosures.



SWB-300-N

The Smart Weigh Belt's improved performance makes it possible for a full-sized (300 mm belt width) weigh belt to feed accurately at rates less than 50 kg/h (110 lb/h). It also increases the range of feed rates that a single weigh belt feeder can handle.

Weigh belt feeders are used in batch and continuous applications for wild flow metering, where headroom is limited, or when feeding friable material that may be damaged by other feeding methods.



## Continuous Online Auto Tare\*

- > Improves long term stability
- > Reduces maintenance/frequency of calibration
- > Auto indication that belt cleaning or replacement is required
- > Lower feed-rate possibilities

\* Continuous Online Auto Tare is an optional feature



## SmartConnex Control

- > All benefits of the KCM-III located on the feeder
- > Online calibration option linked to upstream weigh hopper
- > False tare prevention

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# Key Features of the SWB Belt Feeder

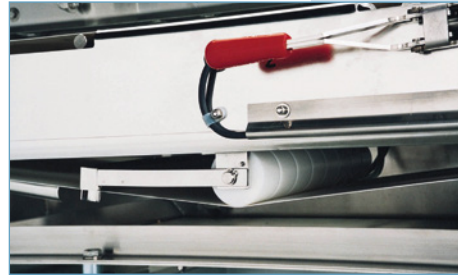
## Advanced SFT Weighing Technology

- > High resolution/high speed weighing for most accurate, vibration immune measurement
- > Weight measurement electronically shifted based on belt speed to give control point at discharge



## Auto Belt Tracking

- > More reliable than crowned pulleys
- > Increased clearances and improved roller design prevents material jamming
- > Also functions as an internal belt scraper



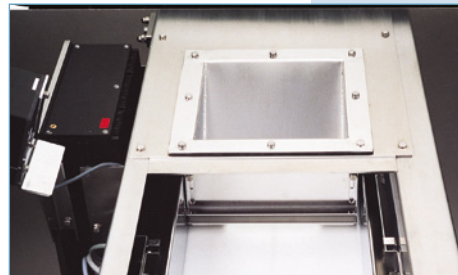
## Improved Belt Cleaning

- > Reduced maintenance
- > Improves tracking and weighing performance



## Improved Inlet Design

- > Trapezoidal design improves material flow from storage bin
- > Improved design prevents material entrapment
- > Improves belt wear



## Two Sizes

- > **SWB-300** for feed rates of 20 to 20,000 kg/h (44 - 44,000 lb/h) or 10 to 40,000 dm<sup>3</sup>/h (0.4 to 1,400 ft<sup>3</sup>/h)
- > **SWB-600** for feed rates of 40 to 40,000 kg/h (88 - 88,000 lb/h) or 20 to 80,000 dm<sup>3</sup>/h (0.7 to 2,800 ft<sup>3</sup>/h)



## Open Frame Models

- > Easy cleanability
- > All parts stainless steel
- > Typically used in food applications

