

# MULTIBELT®

**Weighing on a moving conveyor belt – maintenance-free, precise, and adaptable**



When measuring a wide variety of material streams on a conveyor belt, flexibility is a must. Schenck Process conveyor belt scales not only provide flexibility, but can be used wherever continuous material streams are recorded in conveyor belt systems. Applications in production and logistics, throughput rate and consumption rate measurement for production systems, internal balancing of supply and withdrawal, load limit signaling, batching at loading stations or prefeeder control, and legal-for-trade weighing, Schenck Process belt scales work in every area with the precision that you need, up to  $\pm 0.25\%$  accuracy.

More about our eShop on pages 136–137

More about DISOCONT® electronics on pages 126–127

More about INTECONT® PLUS electronics on pages 124–125



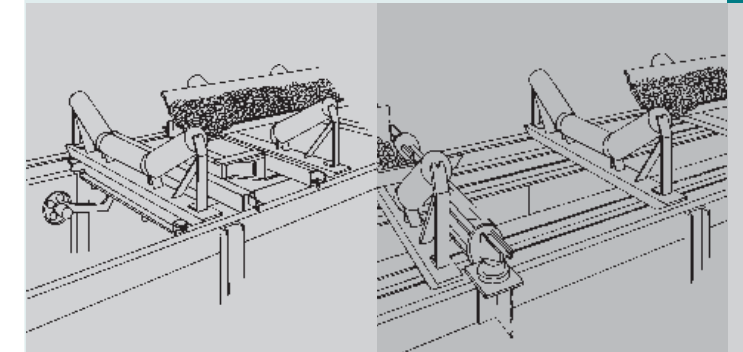
## Multi-Idler Belt Scales:

### MULTIBELT® BMP

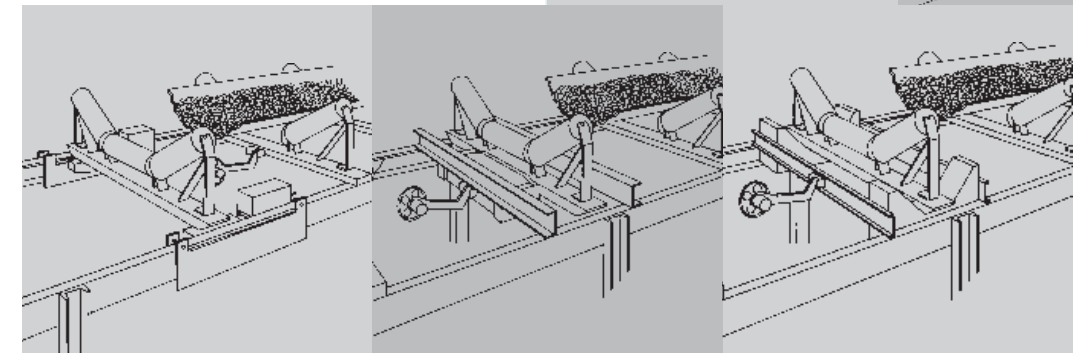
Dual-idler belt scale for feed rates up to approximately 15,000 tons/hour [metric] and operating accuracy up to  $\pm 0.25\%$  of nominal feed rate. Can be used with IEC belt widths of 500–2,000 mm (19.7"–78.7").

### MULTIBELT® BMC

Multi-idler belt scale for feed rates up to approximately 20,000 tons/hour [metric] and operating accuracy up to  $\pm 0.25\%$  of actual feed rate. Can be used with IEC belt widths of 500–2,000 mm (19.7"–78.7").



## Single-Idler Belt Scales:



### MULTIBELT® BEM

Single-idler belt scale for feed rates up to approximately 4,000 tons/hour [metric] and operating accuracy up to  $\pm 1\%$  of nominal feed rate. Modular design makes it appropriate for all belt widths.

### MULTIBELT® BEP

Single-idler belt scale for feed rates up to approximately 6,000 tons/hour [metric] and operating accuracy up to  $\pm 0.5\%$  of nominal feed rate. Can be used with IEC belt widths of 400–1,400 mm (15.8"–55.1").

### MULTIBELT® BED

Single-idler belt scale for feed rates up to approximately 15,000 tons/hour [metric] and operating accuracy up to  $\pm 0.5\%$  of nominal feed rate. Can be used with IEC belt widths of 1,600–2,000 mm (63"–78.7").

### Options

- Speed sensors in various designs, e.g. friction wheel tachometer
- Stainless steel designs
- Test weights and test weight equipment
- Slope meter to detect variable upgrades
- Legal-for-trade designs

### Our Solutions Package

- Weighing module(s) including load cell(s)
- Cable switchbox
- Cross beam, except BEM

## Advantages

- Operating accuracy up to  $\pm 0.25\%$
- Custom belt widths also outside of IEC belt widths available
- Simple planning and integration
- Maintenance-free
- Highly protected load cells
- Drawing check to ensure proper planning
- Approved for legal-for-trade use in combination with INTECONT® PLUS weighing electronics in: Germany, Switzerland, Austria, the Netherlands, Bulgaria, CIS countries – other countries upon request