

Beltweigh XC Checkweigher and CombiChecker™



Beltweigh XC 3-belt checkweigher

Durable, Dependable, Affordable, Checkweighing and Metal Detection in a Compact Footprint

The Beltweigh XC Checkweigher and CombiChecker are both available in two-belt and three-belt versions to best match your production needs and budget. The CombiChecker features a stainless steel Safeline Compact Metal Detector for superior contamination detection. A perfect blend of economy and ruggedness, the Beltweigh

XC is built on a all-welded stainless steel frame that and will provide a lifetime of weighing and product inspection security. These systems are constructed of 300-series stainless steel and FDA approved plastic materials that are proven in food, consumer products, and other demanding environments.

METTLER TOLEDO

Beltweigh XC

Fundamentally Rich

The Beltweigh XC products provide a level of capabilities that are suited for users that are introducing product inspection to their production processes and those who are already employing checkweighing and metal detection and looking to increase capacity with an economical solution.

Compact Design

The 2-belt Beltweigh XC is compact and requires only 23" (570 mm) of valuable line space, making it ideal for existing production lines where space is a premium. The integrated XC control is mounted to the front of the system, with a low-profile user interface. This means the operator does not reach across the conveyor – keeping the operator and your products safer – maintenance can be performed from one side of the machine.

Built to Last, and Easy to Maintain

Constructed on an all-welded, stainless steel frame the Beltweigh XC is rugged and ready for food and other wet applications. Materials and finish are selected for environments where regular cleaning is a must. The welded frame means only four points of contact to the floor for ease of installation and inspection. The open design gives maintenance personnel clear access to the area below the machine – making cleanup fast and effective.

Tough Construction for Long Life

You recognize Hi-Speed as a name that represents durable products. We value our reputation and lower cost does not mean lower quality. All components are protected for a food environment. Sub-component assemblies and construction methods chosen for the Beltweigh XC are proven with years of experience in food and industrial environments.

Simple Secure Operation

The XC Control is easy to learn and operate. The intuitive color touch-screen user interface guides the operator quickly through product set-up and changeovers to optimize uptime, and simplify training. Password protected access for Operators and Supervisors means ensured security and integrity of your product and process.



All-welded, stainless steel frame delivers long term reliability and gives clear access to the area below the machine allowing for fast clean-up



The color touch-screen user interface guides the operator quickly through product set-up and changeovers to optimize uptime, and simplify training.

Safety – First and Foremost

Beltweigh XC and Beltweigh XC CombiChecker are UL listed as UL508A - Standard. This is a designation for in-plant Industrial Controls. Safety features are standard – not options –

- Lockout - Tagout for power and pneumatics
- E-stops with air dumps
- Low voltage motors
- Shield-guards over rejectors
- ANSI B155 Compliant

Uptime – your biggest metric

- Product changeover that takes seconds
- Cleaning and sanitation without tools
- Maintenance of change parts in ten minutes or less
- Proven assemblies for a food and other washdown environments
- Installation with a single power drop, and four points of support to the floor
- Operators trained to create new products in minutes
- Metal detector sorting controlled through the checkweigher control

Versatility – not “one-size-fits-all”

- Three machine widths
- Two or three belt systems
- With or without an integrated metal detector
- Rejector solutions to fit your products
- Caster base option for portability
- Nine metal detector aperture sizes accommodate most package sizes

Stay Connected

Chose to use the Beltweigh XC as a simple “policeman” checkweigher, or collect and transfer data for production records.

A weight-data interface can be provided through RS 232, or Ethernet TCP/IP. Our “Print-Stick” option enables you to transfer data from the checkweigher to a personal computer or network conveniently using a simple USB memory stick.

Clean, Uncluttered Design

In addition to the inherent safety of the XC control’s low-profile design, it also provides a clear line of sight,

delivering better visibility to your production and process.

The machine is sloped and flat surfaces are minimized to reduce accumulation, and facilitate “fall-through”. Access to the floor is unobstructed with generous clearance under cross-members and the control for inspection and cleaning.

Safeline Compact Metal Detector

The Safeline Compact metal detector is an effective and economical inspection solution for dry to moderate wash down environments. Incorporating Mettler-Toledo Safeline patented “zero-metal-free-zone” (ZMFZ) technology, detectors can be installed in the smallest of spaces to minimize overall line length. The demands of regulatory bodies and customers are met by the delivery of excellent performance with high sensitivity for the detection of ferrous, non-ferrous and stainless steel contaminants.



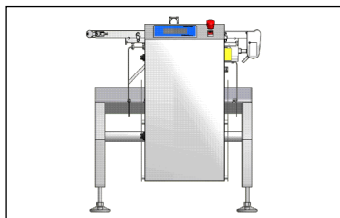
No-tools conveyor and belt installation for maximum uptime



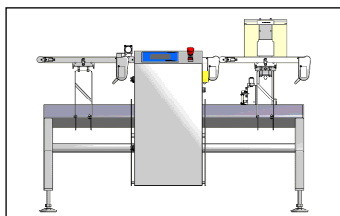
Beltweigh XC CombiChecker 3-belt dual rejecter configuration



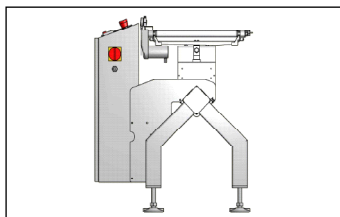
Easy to clean conveyor surfaces reduce line downtime



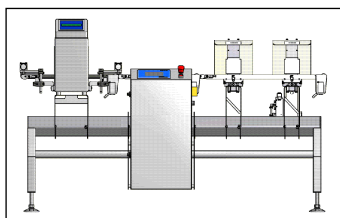
2-belt Checkweigher Front View



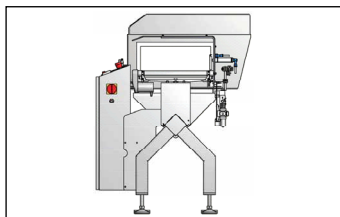
3-belt Checkweigher Front View



Checkweigher End View



3-belt CombiChecker Front View



CombiChecker End View

| Machine | Beltweigh XC and Beltweigh XC Combichecker | | | | | | | | |
|---------------------------------------|--|-----|-----|---|-----|-----|---|-----|-----|
| Construction | 303/304 Series Stainless Steel with Welded Frame | | | | | | | | |
| Environment | Moderate Washdown - Beltweigh XC Ingress protection to IP66; Beltweigh XC CombiChecker Ingress protection to IP65 | | | | | | | | |
| Mainframes | 200 W | | | 300W | | | 400W | | |
| All dimensions in mm | Nominal conveyor length (minimum opening length) | | | Nominal conveyor length (minimum opening length) | | | Nominal conveyor length (minimum opening length) | | |
| 2-Belt Beltweigh XC | 250 L / 250 L (570) | | | 400 L / 400 L (870) | | | 500 L / 500 L (1070) | | |
| 3-Belt Beltweigh XC | 250 L / 250 L / 250 L (855) | | | 400 L / 400 L / 400 L (1305) | | | 500 L / 500 L / 500 L (1605) | | |
| 2-Belt Beltweigh XC CombiChecker | 600 L / 250 L (920) | | | 600 L / 400 L (1070) | | | 600 L / 500 L (1170) | | |
| 3-Belt Beltweigh XC CombiChecker | 600 L / 250 L / 600 L (1555) | | | 600 L / 400 L / 800 L (1905) | | | 600 L / 500 L / 800 L (2005) | | |
| Metal Detector Aperture Width (mm) | 275 | | | 375 | | | 450 | | |
| Aperture Height (mm) | 150 | 200 | 225 | 150 | 200 | 250 | 150 | 200 | 250 |
| Usable Height (mm)* | 100 | 150 | 175 | 100 | 150 | 200 | 100 | 150 | 200 |
| Weight Range | 20 g to 6000 g | | | | | | | | |
| Accuracy at 25 | From 1 g** | | | | | | | | |
| Resolution | 0.1 g | | | | | | | | |
| Maximum Belt Speed | 330 fpm / 100 m / min | | | | | | | | |
| Minimum Belt Speed | 50 fpm / 15 m / min | | | | | | | | |
| Minimum Package Length | 50 mm – with transfer plate | | | | | | | | |
| Maximum Pkg Length | 200W – 200 mm | | | 300W – 350 mm | | | 400W – 450 mm | | |
| Maximum Package Rate | 280 ppm | | | 211 ppm | | | 170 ppm | | |
| Minimum Pitch | 283 mm | | | 473 mm | | | 583 mm | | |
| Maximum Package Height | Beltweigh XC: 225 mm Beltweigh XC CombiChecker: Depends on Metal Detector Selected | | | | | | | | |
| Min /Max Line Height | 30" (760 mm) / 44" (1100 mm) | | | | | | | | |
| Reject Devices | Air Blast, Pusher, HD Air Blast, Pusher with Brush, Machine Mounted and Free-standing. | | | | | | | | |
| Control | Standard Features | | | | | | | | |
| E-stop, Start Stop | Category "0"(EN60204), mounted to top of User Interface | | | | | | | | |
| Main Power Disconnect | Lock-out/Tag-out (LOTO) Capable, NFPA 79 Compliant | | | | | | | | |
| User Interface | Color Touchscreen, 5.7" QVGA w/Seal Gasket and Stainless Steel Bezel | | | | | | | | |
| Product Memory | 100 Product Setups | | | | | | | | |
| Weight Zones | 3 zones | | | | | | | | |
| Power Inputs | 110 V/1Ø (100V to 120V) or 220 V/1Ø (200V to 240V); 50-60Hz | | | | | | | | |
| Security | 4 Level – Viewer, Operator, Super User, Supervisor | | | | | | | | |
| Production Monitoring | Successive Errors | | | | | | | | |
| Languages | Dual language operation in English and either French or Spanish | | | | | | | | |
| Control | Options | | | | | | | | |
| Production Monitoring | Statistics Program | | | | | | | | |
| Communication | Weight Data Interface, Ethernet TCP/IP or RS232 | | | | | | | | |
| Control Interface | Print Stick Reader and Print Stick | | | | | | | | |
| Signaling Device | Stack Light for Zones | | | | | | | | |

* Usable height is the distance from the top of the conveyor belt to the upper surface of the metal detector aperture. The full package height, including any variation in form (e.g., open flap) must be less than this value.

** Specification varies based on specific package type, weight, speed, and package condition.

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