X-ray CombiWeigher

In-line weighing and foreign body detection

Increasing Line Efficiency
Large user-friendly 15" full colour touch screen, combines both systems in a single user interface, reducing possible operator errors, increasing productivity.

Compact design saves space
In your production line through small footprint. This innovative concept can be enhanced with an optional, narrow catch bin consisting of two chambers for rejects.

Industry best safety standards
METTLER TOLEDO X-ray CombiWeighers are built to the highest safety standards in the industry – protection and safety of the highest level.

Reduce costs, protect your brand
ensuring reliable rejection of either incorrect weight or contaminated products in one single unit with full local weighing standards approval, MID certifiable – performing true weight measurement.

HACCP compliant design
The open design, curved surfaces and refined materials reduce adhesion of dirt and ensure easier cleaning as well as protection of your investment.

XS3 AdvanCheK – precision weighing and reliable detection of foreign bodies

The X-ray CombiWeigher XS3 AdvanCheK offers highly accurate weighing and simultaneously checks your products for foreign bodies, protecting not only consumers but also the good reputation of your brand.

The X-ray system can detect contaminants such as metal, glass and stone. Minimum training is required to set up menus – thanks to an “auto setup” software wizard ensuring minimum downtime. The X-ray CombiWeigher from METTLER TOLEDO is a compact and cost-effective solution – ideal for use in the food industry. This combination unit performs true weight measurement and the world’s best sensitivity X-ray inspection.
Thanks to its compact design, the unique X-ray CombiWeigher XS3 AdvanCheK takes up far less space in a production line than two separate systems. The innovative X-ray technology protects consumers from product contaminations while the precision weighing system delivers accurate weight data – at a high throughput.

The optional filling machine feedback control prevents costly overfilling – which means the production inspection system pays for itself within a short time, so the return on investment (ROI) is quick.

**Characteristics X-ray CombiWeigher**
- Certifiable design (MID)
- Latest weighing technology for highest accuracy
- Classification in up to 7 weight classes
- Automatic or manual reset
- AdvanCheK technology for foreign body detection
- Choice of operating languages
- Flexible integration into production lines
- Password protection and profiles for multiple users
- Detection of foreign bodies in the form of metal, glass, stone, plastic and ejection of contaminated products
- Low power consumption
- 115/230 V~, 50/60 Hz, 1 phase, approx. 1000 VA

**Operating terminal**
- Touchscreen colour display, 15" TFT, resolution 1024 x 768 pixels (XVGA)
- User friendly: TachoControl, menu navigation, user profiles, visibility from large distance
- Display of all important, current weighing data, production screens and configuration screens, e.g.:
  - Product contamination display
  - Special counter for contaminated products
  - Full operation of X-ray system and checkweigher from a single terminal
- Windows-based controller, XP-embedded
- 200 article memory locations (200 product memories)

**Options and accessories**
- Automatic feedback control of filling processes
- Statistics and analysis programs
- Choice of monitoring devices (e.g. product backup detection)
- Choice of interfaces (e.g. for weight data)
- Choice of sorting/rejecting devices
- PrintStick or printer
- IP65 water ingress protection
- Stainless steel design
- Other special accessories

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**Technical data**

<table>
<thead>
<tr>
<th>X-ray CombiWeigher</th>
<th>Technical data</th>
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</thead>
<tbody>
<tr>
<td>Weighing range**</td>
<td>within the range 0 to 6000 g, specific to article weight</td>
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<tr>
<td>Accuracy*** (3 Sigma)</td>
<td>from ± 0.1 g</td>
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<tr>
<td>Throughput (weighings/minute)</td>
<td>max. 300</td>
</tr>
<tr>
<td>Roller centre distance (A-A), X-ray conveyor</td>
<td>750 mm</td>
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<tr>
<td>Belt width (B-B), X-ray conveyor</td>
<td>400</td>
</tr>
<tr>
<td>Roller centre distance (A-A), weighing conveyor</td>
<td>250, 300, 400, 500, 600 mm</td>
</tr>
<tr>
<td>Belt width (B-B), weighing conveyor</td>
<td>200, 250, 300, 400 mm</td>
</tr>
<tr>
<td>Roller centre distance (A-A), outfeed conveyor</td>
<td>500, 600, 800, 1000, 1200 mm</td>
</tr>
<tr>
<td>Belt width (B-B), outfeed conveyor</td>
<td>200, 250, 300, 400 mm</td>
</tr>
<tr>
<td>Standard sorting device</td>
<td>two pushers</td>
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<tr>
<td>Safeline X-ray technology</td>
<td>unique low-energy technology for optimum detection sensitivity</td>
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<tr>
<td>Safeline X-ray sensor</td>
<td>USB multi-mode high stability detector set</td>
</tr>
<tr>
<td>Inspection width</td>
<td>400 mm</td>
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<tr>
<td>X-ray generator output</td>
<td>choice of 84 kV/1.2 mA or 70 kV/1.5 mA or 50 kV/2.0 mA</td>
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</tbody>
</table>

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**Notes:**
- **depending on the design and dimensions of the weighing belt used.**
- ***within the approved tolerances, depending on the weight, dimensions and transport behaviour of the product being weighed."