Contamination Detection and Weight Control

Powerful 2-in-1 Solution

CX Combination

High-precision weighing combined with advanced x-ray technology at the best price performance ratio. An integrated system that meets industry standards and your individual product inspection requirements.

Modular Design
The ultimate mix-and-match principle is highly flexible and makes it possible to balance performance and budget to suit your needs.

Easy Operation
Perform configuration settings and product changeovers from the checkweigher HMI. Plus, a front access panel on the X-ray system enables easy cleaning.

Space-Saving Solution
Seamless integration optimizes production space. Sharing components, such as sorting devices and product handling, offers further space savings.

METTLER TOLEDO

Checkweighers
100% Weight Control

Precision weighing for every product type and at production speeds up to 800 products per minute (ppm). Reliably remove under-filled or incomplete products from the production line, supporting compliance with weighing regulations.

Checkweigher	C31 StandardLine	C33 PlusLine	C35 AdvancedLine
Description	Efficient entry-level checkweigher for simple weighing applications	Flexible mid-level checkweigher for standard weighing applications	High-performance checkweigher suitable for challenging weighing applications
HMI	7 inch color touchscreen	12 inch color touchscreen	15 inch color touchscreen
Weighing Range**	20 g - 6,000 g	3 g - 7,000 g	3 g - 10,000 g
Maxiumum Product Weight	6 kg	7 kg	10 kg
Weighing Technology	Strain Gauge load cell	FlashCell™ EMFR load cell; Strain Gauge load cell	FlashCell™ EMFR load cell
Accuracy***	from ±0.5 g (500 mg)	from ±0.05 g (50 mg)	from ± 0.01 g (10 mg)
Line Height	550 mm - 1,100 mm (± 50 mm)	550 mm - 1,100 mm (± 50 mm)	550 mm - 1,500 mm (± 50 mm)
Throughput	200 ppm	350 ppm	800 ppm
IP Rating	IP54; IP65	IP54; IP65; IP69	IP54; IP65; IP69

** Dependent on product (article) weight and the design and dimensions of the weighing conveyor being used
*** Within official margins of error, depending on weight, dimensions and transport characteristics of the product being weighed

Learn more about in-line weighing at
▶ **www.mt.com/checkweighing**

X-ray Inspection
Product Safety and Quality Control

X-ray inspection systems are designed to identify and locate physical contamination in products, irrespective of their size and shape. They provide a reliable solution to reduce food wastage and minimize costs before the final packaging stages. Manufacturers can deliver quality and integrity of their products by conducting an array of completeness checks. These checks can identify missing or broken products, overfill or underfill of products, and much more, thereby enhancing the overall product safety and quality.

X-ray Inspection	X12	X32	X52
Description	High-performance system for great product quality and increased product safety	Advanced system available in standard and custom configurations with single or multi-lane capabilities and integrity checks for outstanding detection performance	Premium system designed to identify low-density contaminants in single or multi-lane complex applications with noisy, or overlaping products
X-ray Beam	Single Vertical Beam	Single Vertical Beam	Single Vertical Beam
X-ray Detector	Single Energy, HiGain Technology	Single Energy, HiGain+ Technology	Dual Energy, HiGain+ DE Technology
X-ray Generator	100 W, up to 84 kV, up to 3.3 mA Glass tube*	100 W, up to 84 kV, up to 3.3 mA Beryllium tube	100 W, up to 84 kV, up to 1.2 mA Beryllium tube
IP Rating	IP65; IP66	IP65; IP66; IP69	IP65; IP66; IP69
Throughput	300 ppm	1000 ppm	1000 ppm
Max Product Width	400 mm		
Max Product Height	200 mm		

*Different X-ray Generators available dependent upon application

Discover our complete portfolio here
▶ **www.mt.com/xray-inspection**

Combination Systems
Advantages

Mix Our Solutions to Match Your Requirements
Choose from a variety of inspection technologies and product handling options to meet your individual packaging and manufacturing environment needs.

Reduced Total Cost of Ownership
Working with a single vendor for installation, training, and in-life service improves efficiency. Plus, shared components reduces the cost of spart parts and our comprehensive service solutions help achieve regulatory compliance, maximize performance and improve uptime.

Space-Saving Design
Minimize the required production space thanks to our compact systems. Easy cleaning access supports increased efficiency.
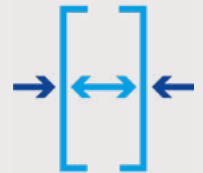
Advanced Connectivity Options
Integration with ProdX™ food safety and quality management software enables real-time monitoring and food safety compliance. Additionally, open interfaces such as OPC UA, PackML, and Fieldbus enable IoT/Industry 4.0 initiatives to access, analyze, and control data from anywhere.

Choose from our other combination solutions:

Checkweighing, Metal Detection and Vision Inspection Combination

Checkweighing and Vision Inspection Combination

Checkweighing and Metal Detection Combination

www.mt.com/cw-xr

For more information