

PowerChek Plus High Performance



X-ray Inspection of Packaged and Bulk Products

The METTLER TOLEDO Safeline PowerChek Plus X-ray inspection systems offer the highest level of detection capability of packaged and unpackaged food and pharmaceutical products such as bulk meat patties or yogurt in a plastic cup. The systems detect and automatically reject contaminants as small as 0.4mm, including metal, stone, glass and bone.

PowerChek Plus systems operate at production line speeds of 50 to 400 feet per minute, and offer the choice of inspection areas from 250 to 1000mm wide.

PowerChek Plus systems can also be fully customized to fit a production line rather

than requiring the production line to be re-configured to accommodate the equipment.

With multiple x-ray generator and detector configurations and advanced software algorithms, we optimize the detection performance of the PowerChek Plus specifically for your application.

PowerChek Plus also offers optional sanitary specifications, including 3-A and AMI, and NEMA PW12/IP69K high temperature and high pressure wash-down protection.

PowerChek Plus systems are built to exacting, robust METTLER TOLEDO Safeline standards, enabling them to deliver maximum uptime performance with minimal maintenance.

PowerChek Plus

High Performance

Features and Other Benefits:

- Configurable hardware and electronics to application for optimal performance
- Modular design for ease of maintenance and support
- Robust material handling system with US sourced components, maximizing reliability and uptime
- Hygienic design and tool-less disassembly makes PowerChek Plus easy to use and clean
- Lowest lifetime cost of ownership in industry

Specifications

Model	PowerChek Plus
Inspection Software	Windows XP Professional with user definable inspection algorithms
Connectivity/Data	External USB or Ethernet /OMAC compliant Ethernet IP or OPC Data
Display	Full color TFT 15-inch touch-screen
Cabinet/Conveyor	304 Stainless Steel
Cooling Method	Heat exchanger or air conditioner
Ambient Humidity	30-85%
Ambient Temperature	32 to 104°F
Scan Width	10 to 40 inches
Belt Speed	VFD controlled maximum 50 – 400 fpm
Input Power	110 or 230VAC, 50 / 60Hz, 16 Amp
Belt Width	11 to 41 inches
Environmental Protection	NEMA 4 / IP65 standard; NEMA PW12 / IP69K optional
Cleaning	Low pressure spray standard; high pressure spray optional
X-ray Generator	70KV 1.5mA, 84KV 1.2mA, Optional 80KV 4.5mA, 120KV 3.0mA
Detector	0.4mm, 0.8mm, 1.5mm pitch
X-ray Emissions	< 5 µSv per hour
X-ray Protection	Line of sight, curtains, shielding
Certifications	CE standard; UL61010-10, CUL, 3A, AMI optional
Controls	Allen Bradley



Mettler-Toledo Safeline

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