

## SmartChek High Performance



### **X-ray Inspection of Packaged and Bulk Products**

The METTLER TOLEDO SmartChek X-ray inspection systems offer the highest level of detection capability of packaged food products such as a frozen entree in an aluminum tray, yogurt in a plastic cup or nutrition bars in metalized film. The systems detect and automatically reject contaminants as small as 0.8mm, including metal, stone, glass and bone.

The SmartChek system operates at production line speeds of 50 to 250 feet per minute, and offers the choice of 12 to 24-inch wide inspection areas.

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

SmartChek is built to exacting, robust METTLER TOLEDO Safeline standards, enabling it to deliver maximum uptime performance with minimal maintenance.

# SmartChek

## High Performance

### Features and Other Benefits:

- Rated NEMA 4/IP65
- Modular design for ease of maintenance and increased uptime
- Sanitary design and toolless disassembly for ease of cleaning
- Lowest lifetime total cost of ownership in the industry
- Robust material handling system designed for demanding US manufacturing environments
- US-sourced components for maximum reliability and spare parts availability

### Specifications

Model	SmartChek
Inspection Software	Windows CE Embedded
Connectivity/Data	OPC, Web server, VNC, /R45 Ethernet and USB
Display	Full color TFT 6-inch touch-screen
Cabinet/Conveyor	304 Stainless Steel
Cooling Method	Tank externally mounted – self cooled
Ambient Humidity	30-80%
Ambient Temperature	41 to 105°F
Scan Width	12, 16 and 24 inches
Belt Speed	VFD controlled maximum 50 – 250 fpm
Input Power	110 or 230VAC, 50 / 60Hz, 16 Amp
Belt Width	13, 17 and 25 inches
Environmental Protection	NEMA 4 / IP65
Cleaning	Low pressure spray
X-ray Generator	50KV 2.0mA, 70KV 1.5mA, 84KV 1.2mA
Detector	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
Controls	Allen Bradley



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