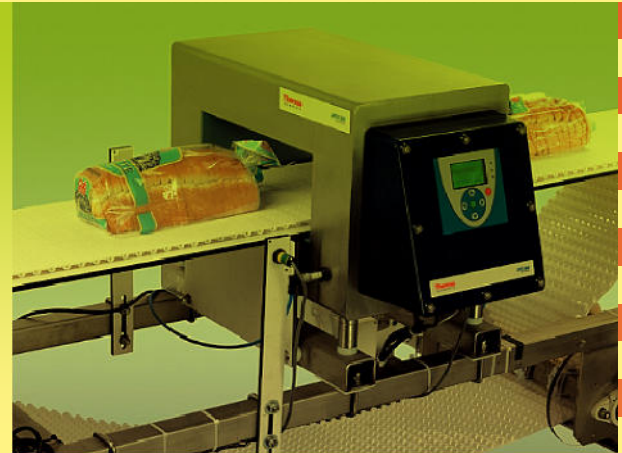


► APEX Metal Detector

EmWeA

**reliable protection
against metal contamination
in packed and unpacked products**



Reliable Metal Detectors

The APEX 100, APEX 300, and APEX 500 metal detectors provide protection from many types of metal contaminants encountered in food production today. They offer innovative technologies developed for the high performance APEX 500 metal detector. Because of an effective selection from available sizes, EmWeA is able to offer a cost-efficient metal detector for the major industrial applications.

All APEX metal detectors meet food industry's high requirements regarding reliability, eco-friendliness, and hygiene. These metal detectors have been designed in respect of food-safe materials (stainless steel enclosure, ABS control panel), operational reliability, IP 69K type of protection, and ATEX.

Several options are available for APEX metal detectors, i.e. AuditCheck performance verification, compression flanges, certified test specimens, reject confirmation sensor, bin full sensor, and a variety of individual transportation systems.



APEX 500 High Performance Metal Detector

Thanks to its innovative multi-coil technology, the APEX 500 high performance metal detector detects metal pieces with appr. 20% smaller diameter than conventional metal detectors.

Technical Specifications

Construction:	stainless steel enclosure, ABS control panel
Product Speed:	0.008 mps ... 16 mps
Outputs:	max. 6 relays outputs; 250 V AC max. 2 A; 50 V DC max. 1 A
Output Allocation:	reject 1, reject 2, AuditCheck, fault, alarm, warning, QA lamp
Inputs:	6 inputs; active 12 V DC; +12 V auxiliary supply for input sensors
Input Allocation:	speed sensor, keylock, product select 1, product select 2, infeed PEC, reject confirmation 1, bin full, external suppression, external alarm, external reset
Electrical Supply:	85 ... 260 V AC single phase; 47 ... 65 Hz; max. 100 W
Operating Temperature:	-10 °C ... +40 °C (+14 °F ... +104 °F)
Relative Humidity:	20% ... 80%, non-condensing
Protection Ratings:	IP69K, Type 3 enclosure
Certificates:	CE, cCSAus, ATEX Zone 22

Application Examples



Free Fall System / Pipe



Combi Unit with Checkweigher

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