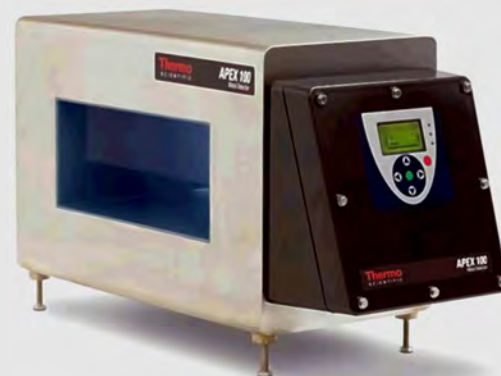


## Thermo APEX Metal Detector.

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.

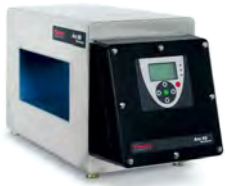


## APEX 500 High Performance Metal Detector

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:  
Product speed:  
Outputs:  
Output allocation:  
Inputs:  
Input allocation:

Stainless steel enclosure, ABS control panel  
0,008 m/s ... 16 m/s  
6 relays outputs; 250 V AC max. 2 A; 50 V DC max. 1 A  
Reject 1, Reject 2, AuditCheck, Fault, Alarm, Warning, QA lamp  
6 inputs; active 12 V DC; +12 V auxiliary supply for input sensors  
Speed sensor, Keylock, Product select 1, Product select 2, Infeed PEC,  
Reject confirmation 1, Bin full, External suppression, External alarm,  
External reset



Electrical supply:  
Operating temperature:  
Relative Humidity:  
Protection ratings:  
Certificates:

85 ... 260 V AC single phase; 47 ... 65 Hz; max. 100 W  
-10 °C ... +40 °C (+14 °F ... +104 °F)  
20% ... 80%, non-condensing  
IP 69K  
CE, cCSAus, ATEX  Zone 22

## Application Examples:



Free fall system / pipe



Combi unit with checkweigher



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