

Metal & Non-Metal Detection

Metal fragments can be unintentionally introduced to food products and become a safety hazard to consumer

What

Why

How

WHAT CAN BE DETECTED

METAL	EXAMPLE	DETECTION
FERROUS	IRON	EASY
NON-FERROUS	COPPER, LEAD	RELATIVELY EASY
STAINLESS STEEL	304L(EN58E) GRADE	RELATIVELY HARD

Why



ENSURE FOOD SAFETY FOR THE CONSUMER



ACHIEVE FOOD QUALITY STANDARDS



PROTECT EQUIPMENT FROM DAMAGE



PREVENT PRODUCT RECALL



COMPLY WITH FOOD REGULATIONS

HOW

FOR METAL

- Generation of electromagnetic field.
- When a metal particle passes the detector it interferes with the electromagnetic field, causing a signal to be detected by the receiver coils.
- The electronic unit analyses the signal and evaluates .

FOR NON-METAL

- Food X-Ray detection and inspection system. X-ray penetrates a food product, it loses some of its energy.
- A contaminated area will reduce the energy.
- The sensor converts the energy signal into an image of the interior food product.

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