



ULTRA TECH SECURITY SOLUTIONS

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NO.1, EXPERTS IN METAL DETECTORS & CCTV IN SOUTH INDIA

CONVEYOR BELT METAL DETECTORS

Models: AMD / FMD

We have an experience of more than 10 years in the field of Metal Detection. We have installed numbers of the Metal Detectors at the various location in the food , Garments & Pharma Industries . The reliable performance and worlds class quality , prompt service are the keystones of our business, we are pioneer in Metal Detection solution for a number of well known companies in the country.



Salient Features

- ✦ All Metal Detection – FE, NFE, SS
- ✦ Special Model - FMD – For Metalized Film Product.
- ✦ Automatic Balancing.
- ✦ Very high reliability .
- ✦ Very high sensitivity for Magnetic and Non Magnetic Metals.
- ✦ Dual channel operation.
- ✦ Automatic adjust for temperature variation & Static Metal.
- ✦ Uses state of art technology hence gives long year of trouble free operation.
- ✦ Offers ease of installation and user friendly operating.
- ✦ Extremely low power consumption.
- ✦ Audio visual alarm to draw the attention of operator.
- ✦ Offers potential free change over contacts for inter locking as per customers

PRINCIPLE OF OPERATION

Our Metal Detectors operate on the principle of mutual balance coil. There are three coils wrapped on a non metallic former, one is in center (called transmitting coil) used to produce very high frequency electromagnetic field in the aperture and two equally spaced and equal number of turns wrapped either side of the center coil (called receiving coils) are connected in the opposite direction. Hence the voltages induced in the receiving coils become equal and opposite so in the normal condition net output is zero (called balance). The system automatically maintains a high degree of balance which is disturbed by the metal passing through the aperture resulting in a signal, which is amplified to operate audio/ visual alarms, interlocking and the reject mechanisms are required.

SPECIFICATIONS

- Model - AMD/ FMD.
- Aperture Size - Tailor Made.
- Sensitivity (Typical) for 100 mm height - 0.5 mm Dia.
- Alarm- Audio - Visual Alarm on detection.
- Power Supply 230 VAC +/- 5%, 50 HZ.
- Power Consumption - 10 VA.
- Conveyor belt Speed - 25 to 30 Mtr./Minute.
- Counter - Optional.
- Weight 80 to 250 kgs.

Models Available

- AMD - All Metal Detection(Ferrous / Non- Ferrous & Stainless Still)
- FMD - Ferrous Metal Detection (Detects only Ferrous - for Metalised Film Products.)
- AMD + FMD - Switch Over Model operates. (Combination of above AMD / FMD)
- Inclined Stand.
- Converised- online/ stand alone operation.
- Gravity Feed - for Granule & Powder
- PH - 1030 - for Tablets & Capsules.

APPLICATIONS

- Food Processing.
- Packing Industries.
- Garment Industries.
- Rubber Plastic Processing.
- Bottle Unit, Sea Food, Meat Industries.
- Gravity Feed - for Granule & Powder