



PMG INDUSTRIAL METAL DETECTOR



PMG Industrial Metal Detectors work on advanced Pulse Indication Principle. These detectors are known for its ability to detect the tramp metals from the conductive ores. They are widely used in places where tramp metals have to be removed from Magnetite, hematite, Pyrites, wet materials etc are conveyed. It is a best replacement for the old and out dated eddy current detectors which are very prone to interferences & high false alarm rate. The advantage of this Metal Detector is it zero Malfunctioning to vibration compare to other Metal Detectors. The welding, walky talky effect is also nullified within 2mts range. Suitable Sensitivity is also achieved according to the aperture size.

PMG Industrial Metal Detectors are manufactured based on the width of the conveyor system suitable to detect the adequate size of metals passed anywhere inside the tunnel area. Metal Detector is fitted to the endless conveyor. Whenever Metal passes through the tunnel, the metal detector gives an audio/visual signal. Potential free contacts are provided to stop or to operate the diverting gate.

PMG has a very strong R&D unit which has developed zonal type metal Detectors. This system will help the user to find easily the location of the detected metal from the full loaded conveyor belt. The conveyor belt will be divided into four equal zones and the particular zone will get activated when a metal passes through the vicinity. The most advantage of these Metal Detector over conventional detectors are that the searching time for the metal contamination after the detection is comparatively fast. It has fully adjustable zonal Sensitivity which helps in uniform detection throughout the entire zone. Sensitivity of each zone is also fully adjustable. This unique feature allows compensation of the losses caused due to the floor steel bars, dead zones, zones of excessive sensitivity and losses due to various interferences. An indicator will be supplied with the metal detector system which can be installed parallel to the metal detector so as to indicate the particular zone to the operator.

APPLICATION

- ▶ Cement Mill Plants
- ▶ Crushing Plants
- ▶ Coal Handling Plants
- ▶ Paper & Pulp Mills
- ▶ Power Consumption : <50 VA
- ▶ Power Supply : AC 230 V+ 10% 1 Ph
- ▶ Auxiliary Contacts : 2 no. Potential Free Changeover Contacts rating 5 Amps 240 VACS
- ▶ Sensitivity : Depends upon size of search head.
Specified in terms of metal, cube or sphere

Silent Features

- ▶ Automatic set control
- ▶ Compact design needs less installation space.
- ▶ Easy to install & operate.
- ▶ High sensitivity to all metal including the most difficult non - magnetic stainless steel.
- ▶ Built in Led Bar Graph to monitor the metal contamination.
- ▶ Performance is maintained stable throughout the life.
- ▶ Easy changeable Electronic modules.
- ▶ Low power consumption.

