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(57) Abstract :

ABSTRACT BELT CONVEYOR METAL DETECTOR This invention relates to control the conveyor automatically by sensing the objects placed in the conveyor. When any metal contamination is passed through the metal detector unit, the same is detected and announced by the system. A metal detector is a conductive coil that produces an electromagnetic field. When a conductive metal object enters this electromagnetic field, it causes a disruption. The disruption is detected and can be used to initiate an action, such as stopping a belt or activating a reject mechanism to eject or push out the metal.

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