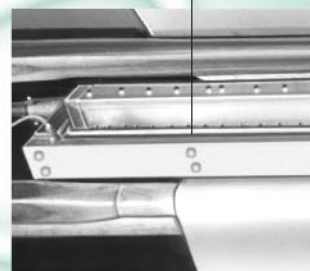




SHARP SIGHTED DETECTOR

Light Indication



SEMITRONIK



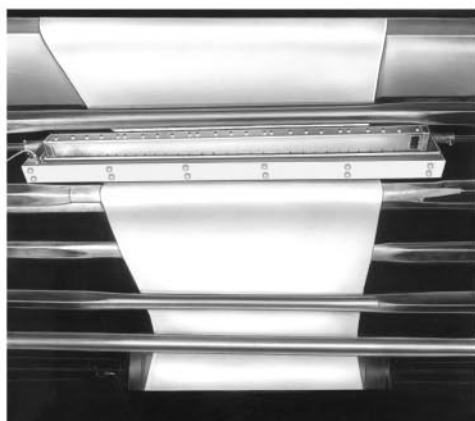
**MAGNETIC METAL DETECTOR
WITH LIGHT INDICATORS
ALONG THE WIDTH OF MATERIAL
UNDER PROCESS**



MAGNETIC METAL DETECTOR SSID / 508

- No. of units are in operation across the globe.
- Latest technology used to indicate the location of detected particle and number of particles across the width of the web.
- Easy to install and operate.
- Pay backs within one year.
- System available for any width of the web from 150 mm to 5000 mm in step of 150 mm.

It is known fact that foreign matter can be carried along with fabrics in the textile, paper, rubber, cement, food and plastic industries during manufacturing process. Such foreign matter may cause damage to costly machinery and may even lead to eventual machine breakdown.



With the SEMITRONIK MAGNETIC METAL DETECTOR MODEL SSID / 508

it is possible to keep a constant check to ensure that pieces of iron or things with ferro-magnetic content are not carried along on fabrics / web under manufacture.

Our experience denotes that atleast 90 % of foreign matter picked up by goods during manufacturing process consists of pieces of iron or objects with ferro-magnetic content. Shearing machines with their valuable spiral blades and cotton or paper calender bowls are particularly exposed to damage. Furthermore, a metal piece which settles on the surface of a cotton or paper bowl may cause considerable damage to goods passing over it, the embedded bit piercing the goods with every revolution of the bowl.

As a rule the installation should be mounted in front of the machine to be protected. It is also possible to protect the whole production during one specific manufacturing process. e.g. on the delivery end of singing machine.

THE SEMITRONIK MAGNETIC METAL DETECTOR consists of the feeler head and the amplifier. The feeler head is installed in such a way that the cloth slides over it in its full width.

Connecting cable connects impulses from the feeler head to the amplifier. As soon as a ferrous particle passes the feeler a relay within the switching amplifier unit is set in motion.

The operation of the relay can be used either to stop the machine or to set an alarm signal in motion. The sensitivity of the installation is easily adjustable by a control on the front cover plate of the amplifier unit.

SPECIAL FEATURES

- SEMITRONIK MAGNETIC METAL DETECTOR incorporates integrated circuit on plug-in type printed circuit board to ensure durable and reliable performance.
- Unit operates with 50 c/s and high frequency electrical interference suppressor circuitry to eliminate false signals i.e. unwanted stoppages of the machine. Thus increasing the efficiency of the machine.
- It detects the presence of ferrous or ferro-magnetic metal of any form and magnitude. *A Tip of a pin to a big nail embedded in running fabric.*
- Suitable for both dry & wet fabric.
- Satisfactory detection at any working speed.
- The presence of magnetic metal particle is known by Red light or sounding of hooter & stopping the electric motor driving the machine.
- Switching amplifier can be synchronised with any sensing bar or feeler head as a direct replacement.

MODEL SSID / 508

has a sensing bar with LED light indicators throughout the width of the sensing bar at every 200 mm length to locate the position of iron particles detected present in the fabric, same is helpful when more than one iron particle appear simultaneously and it becomes easy to locate the iron particles.

TECHNICAL DATA

INDICATING TYPE

MODEL SSID / 508

- Voltage input : 220V, 50 c/s
± 10 % or
as per requirement.
- Power input : 25VA
- Relay contacts : 250V/2 Amps.
Non-inductive
- Mode of : LED at every
indication 200 mm distance.
(To enable easy location of iron particles)
- Dimensions :
1. SENSING HEAD WITH
LIGHT INDICATION
W*+ 830 X H 300 X D 160 mm
 2. CONTROL UNIT
W 265 X H 520 X D 120 mm
* Working Width of Fabric

For further details, contact



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