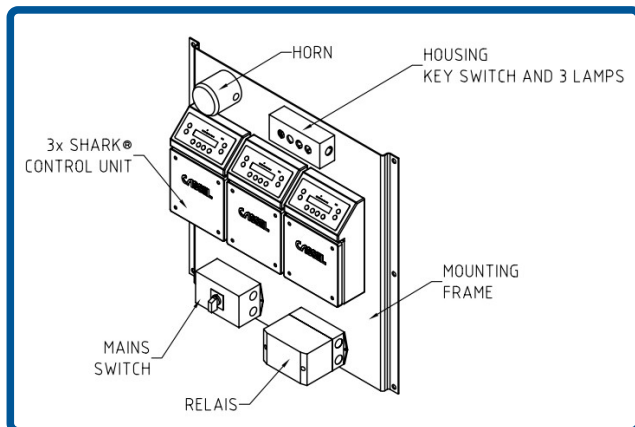




**METAL SHARK® FL 3-ARRAY**  
**Segmented Metal Detector for Textiles and Web's**

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## METAL SHARK® FL 3-ARRAY Segmented Metal Detector for Textiles and Web's



Controller



METAL SHARK® FL 3-ARRAY



3 sensor segments

Typically, the METAL SHARK FL 3-ARRAY is used for inspection of textile-widths to detect smallest magnetic and non-magnetic metal particles. The metal detector is constructed as a 3-segment-sensor. The total detection zone of the detector is thus divided into 3 individual zones.

The controller provides 3 output relay signals, according the 3 segments. Additionally 3 red lamps indicate which segment detected the metal. This assigns detected metal particles to a definite area of the textile width, and let easily localize them by the operators.

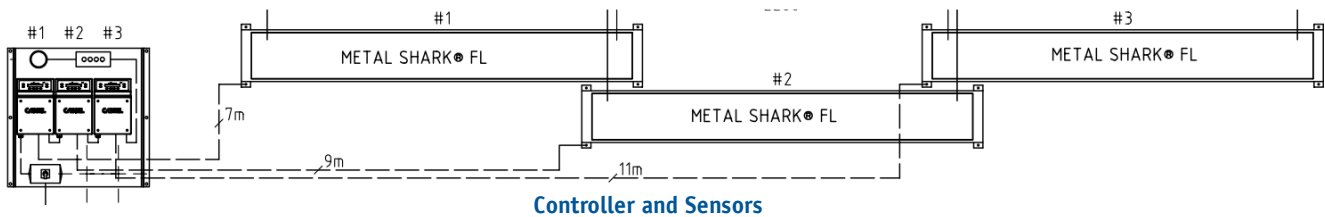
The segments overlap each other to have the full sensitivity even at the segment edges.

Due to extremely high sensitivities of the individual segments, minute particles of metal are detected over the whole width. Diameter of smallest observable metal-balls are about Fe 0,8 - 1,5 mm (depending on web distance to the sensor).

With a maintenance free design and high quality construction, for reliable operation in the most challenging industrial environments.

## METAL SHARK® FL 3-ARRAY

### Segmented Metal Detector for Textiles and Web's



#### Wide range power supply

85 – 264V AC / 50-60Hz

#### Out signals

General metal alarm (dry contact)  
 General error alarm (dry contact)  
 3x segment metal alarm (3x dry contact)

#### Degree of protection

Sensor IP65 / Controller IP65

#### Controller

Fully digital technology  
 Digital balance control  
 Digital noise filter  
 Digital frequency control  
 Self-monitoring of errors  
 Zero Maintenance design  
 PowerDrive circuit

#### User interface

Keyboard and LCD  
 LED bar meter  
 LED for ok/error/metal  
 Password protection  
 Reject timer  
 History feature (data logging)

#### Features included

General metal alarm (horn)  
 Reset metal alarm(key switch)  
 Segment metal alarm (3x red lamp)  
 Mains switch  
 Controller mounting frame

METAL SHARK® FL 3-ARRAY



As a manufacturer Cassel is committed to highest standards of quality. For more than ten years our goal has been to ensure the quality of your products. Our reputation has been earned by protecting yours. We supply customers in different industries worldwide such as Foods, Plastics, Pharmaceuticals, Textile, Timber and Mining. Our headquarters and state of the art manufacturing facility are located near Hannover in the heart of Germany. Each year we manufacture and deliver over 1000 metal detection systems. Approximately 80% of the production is heading for export markets. To ensure you get the very best of service and support wherever on the globe you are using our metal detectors, we have a worldwide network of partner agents.