



METAL SHARK® FL compact Metal Detector

SHARK® FL compact



Flat sensor head for installation below or above conveyed materials

Typically, the FL compact types are used in fleece, textile and foil production. This series of metal detectors provides highest performance in detecting magnetic and non-magnetic metals.

Controller

The FL compact sensor head works with the SHARK® 1 or SHARK 2® fully digital controllers.

Specifications

Type	METAL SHARK® FL compact								
Installation	Conveyor installation below or above conveyed material typical horizontal, but each angle is applicable								
Sensing Width	200 – 4000 mm (4 in – 13.2 ft)								
Best Sensitivity (depending on product effects and proper installation)	Sensing Width 200 – 1500 mm								
	Height Above Sensor mm	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0
	Ferrous Ball Ø mm	1.0	1.5	1.8	2.5	3.3	5.5	6.5	8.0
	Sensing Width 1600 – 4000 mm								
	Height above sensor mm	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0
	Ferrous ball Ø mm	1.5	2.0	3.0	4.0	4.5	6.5	8.0	10.0
Metal Free Zone	fix metal = 250 mm								
Before/After	Detector moving/vibrating metal = 500 mm								
Degree of Protection controller	IP54								
Sensor Head	stainless steel housing								
Conveyor Speed	25 – 4000 mm/sek. (1"-13,2 feet/sec.)								
Controller	METAL SHARK® 1, METAL SHARK® 2, for wall mounting								

Metal Detection, Checkweigher and X-Ray



METAL SHARK® GF



WEIGH SHARK® Checkweigher



METAL SHARK® IN MEAT



METAL SHARK® Conveyor



METAL SHARK® IN Liquid



XRAY SHARK® X-Ray



Cassel Messtechnik GmbH (Germany) – Headquarters and main production site

Located near Hannover, Germany, Cassel manufactures approximately 1.000 inspection systems annually. Nearly 80 percent of Cassel equipment is exported to the European Union, United States, Southeast Asia, Australia, South Africa and South America. Cassel supplies equipment to a number of industries, including food, plastics, pharmaceuticals, textiles, forestry and mining. Over 500 Fortune companies are among Cassel’s satisfied customers. Cassel equipment can be found in the production lines of many global and respected brands.



Cord Cassel
Managing Director of Cassel Messtechnik GmbH

Customers receive valuable worldwide service and support wherever their product inspection systems may be located. Over 50 representative offices located around the globe provide service performed by factory-trained technicians.

Since 1994, Cassel Messtechnik GmbH (Cassel) has led the industry in the design and build of metal detection, checkweigher and x-ray inspection systems for industrial applications. Cassel systems protect valuable production machinery against damage caused by undiscovered metal parts. Another area in which Cassel succeeds is Quality control in the consumer goods industry. Cassel strives to supply quality and high performance at a reasonable price.