

Cassel Test pieces

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With the help of a metallic test ball of a defined size, the metal detector or X-ray scanner's functions can be tested in operation. A test ball is added to the product and then passed through the metal detector or X-ray scanner. If the inspection system recognizes the ball, the test is considered passed. The test intervals shall be short: All products having passed the inspection system since the last test procedure must still be available for re-testing. In addition, tests should be carried out at the beginning of the working shift and when changing products.

Daily Record

It is recommended to regularly test the inspection system with standardized test objects and to keep records of these tests in a daily log. Testing spheres are generally supplied along with the detector. A suitable testing object and a testing schedule should be established for the examination: The testing object should be a sphere of the smallest diameter of which detection is required. The sphere is passed through the detector along with the product in order to observe whether a detection signal is issued. The testing schedule should establish when the detector is to be tested and by whom.

Example: The quality manager on duty has to test the detector using the testing object one hour after the start of each shift. The test results are recorded in the log with the date, time and signature. Example: Test object recognized, 24 August 2016, 08.30, signed, Smith.



Engineer KIT XRAY SHARK®



**Certified test pucks
for METAL SHARK® PH (Tablets)**



Engineer KIT METAL SHARK®



**Certified test sticks,
for METAL SHARK® BD, TU**



Certified flexible test sticks

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

With its production facilities 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 several industries, including food production, plastics, pharmaceuticals, textiles, forestry and mining. Cassel machinery can be found in the production lines of many global and respected brands.



Cord Cassel
Managing Director of Cassel Messtechnik GmbH

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

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