



# **METAL SHARK® PH**

Pharmaceutical Metal Detection System

# METAL SHARK® - The new generation in metal detecting technology

Introducing the METAL SHARK® presenting a completely new design in high sensitivity metal detectors. The METAL SHARK® provides outstanding sensitivity, accuracy, stability and precision product-effect-compensation.

The METAL SHARK® features the latest four channel DDS (direct digital synthesizer) and DSP (digital signal processor) technology. These technologies provide outstanding product-effect compensation. High processing speed, DDS and DSP makes the METAL SHARK® the leader in digital metal detection.

Digital balance control - levels temperature and humidity influences.

Auto calibration - fast and easy set-up.

Digital frequency & phase control avoid any drifts. Once calibrated keeps the set-up forever. No need for re-calibration.

Digital noise filters eliminate undesirable signals such as vibrations and shocks.

Multi-channel technology for the optimum recognition of all metals; ferrous, non-ferrous and stainless.

Power supply: Wide input 85-265 V AC works great even with unstable and poor power sources.

Auto self-control - possible functional defects of the device are displayed on a separate output contact.



Typically, the PH types are used at the outlet of a tablet press and provide highest performance in detecting magnetic and non-magnetic metals. The tablets fall through the metal detector. With the reject flap smallest metal objects are separated out of the goods' stream promptly.

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



#### Easy handling

In practical use, settings of metal detectors often need to be checked quickly and reliably during production. Cassel attached great importance to user-friendliness: The software is self-explanatory: An interface-manager leads the user step by step through the menus that have to be adjusted. E.g. product teach is done with one-button-push.

## **Product library**

CASSEL

The characteristics of 125 different products are stored and recalled here.

### **Operation History**

Events such as metal detections or parameter settings are stored in a log list, including date and time and can be read on the display or exported via serial or ethernet link.

#### IQ, OQ, PQ qualification templates

Cassel supplies the required qualification templetes along with the METAL SHARK® PH metal detector.

#### **Performance validation**

The performance validation automatically prompts the operator to test the performance of the Metal Shark at pre-set intervals.

# **Infeed and Reject System**

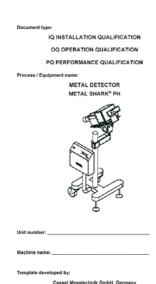
Chutes, moulded, for both infeed and reject, several chute aperture sizes available, throughput max. 10000 tablets per minute.

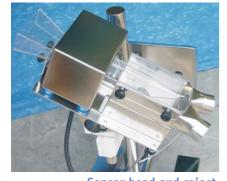
Solenoid driven stainless steel reject diverter mechanism, mirror polished Variable infeed / outfeed height

Quick demount design for easy cleaning

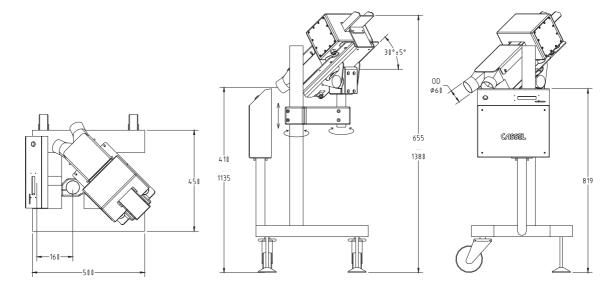
# **Support Stand**

Stainless steel support stand, mirror polished Mobile through castors and fixed feet Height adjustable





Sensor head and reject



Head Quarters: Cassel Messtechnik GmbH In der Dehne 10 37127 Dransfeld, Germany Tel. ++49-5502-91150 Fax ++49-5502-911532 www.cassel.de info@cassel.de Local agency:

