

- Reliably detects metal contaminants in tablets and capsules
- IQ, OQ, PQ qualification certificates are delivered directly, SQ also possible on request
- Ejection with pendulum bell ensures that products are not damaged or jammed
- Mobile and height adjustable, dismantlable without tools for cleaning
- Intuitive control, autocalibration and Teach Assistant



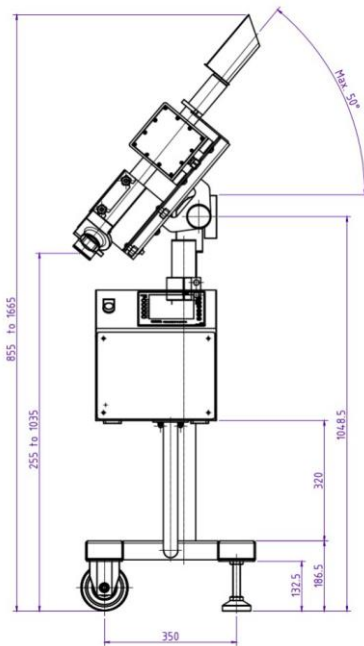
- Maximum detection performance with high reliability in the entire detection area due to 4-quadrant technology
- Simple setup with TeachAssistant
- Memory for up to 250 products
- Easy to use with intuitive and multilingual menus
- 4-level password system, automatic log out after time lapse
- Documentation of all events and metal messages
- IFS and HACCP reports available on the display at the touch of a button
- Optional: Data transfer to USB interface or connection to the company network via SHARKNET® software
- Cyclical function monitoring with Performance Validation System (PVS)

Function:

Typically, the METAL SHARK® PH is used at the outlet of tablet presses. It offers the highest metal sensitivity in detecting magnetic and non-magnetic metals.

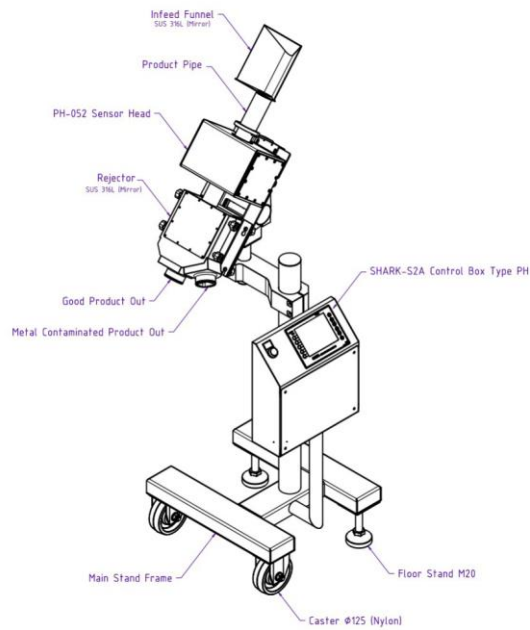
The tablets fall through the metal detector and the ejection flap arranged downstream separates tablets with the smallest metal contaminants from the product stream. The high-quality construction is maintenance-free. For cleaning, all parts in contact with the product can be disassembled without tools.

Dimensions:



Scope of Delivery:

- PH sensor head, infeed and reject system, mobile frame with castors, stainless steel mirror polished
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- Controller METAL SHARK®
- Mobile frame with wheels, polished stainless steel
- IQ/OQ/ PQ quality certificates (SQ on demand)



Application:

Inspection of tablets and capsules for metallic impurities.

Industries:

- Pharmaceutical industry



Specifications:

Infeed and Reject System	PVDF pipe, inner diameter 44 mm (1,73"), solenoid driven reject diverter mechanism, variable infeed / outfeed height, quick demount design for easy cleaning	
Support stand	Stainless steel support stand, mobile through castors and fixed feet, height adjustable	
Tablet flow rates	Tablets Ø 5 x H3.5 mm	31,200 pcs./min.
	Tablets Ø 7 x H4.5 mm	26,500 pcs./min.
	Tablets Ø 12 x H4.5 mm	12,200 pcs./min.
	Tablets oval B 9 x L 16.5 x H 6.5 mm	10,500 pcs./min.
Best metal sensitivity	Ferrous	Ø 0.3 mm
	Non-Ferrous	Ø 0.4 mm
	Stainless steel (316)	Ø 0.5 mm
Electronics	Digital signal processor, digital frequency generation, digital balance control, automatic calibration, digital noise filters, integrated flexible control functions	
Input	2 analog 0... 10 V DC (option: 4-20 mA) 8 freely configurable 24 V DC signals	
Output	2 floating: "error" and "metal" 8 freely configurable 24 V DC signals	
Inspection method	High-frequency magnetic field, multi-channel operation, symmetrical receiver coils	
Metal detection	Ferrous, non-ferrous (e.g. aluminium or copper) and stainless steel	
Product compensation	Memory for up to 250 memory, automatic product compensation, with TeachAssitant	
Enclosure rating	Controller IP40, sensor IP65	
Environmental conditions	+5°C to +50°C / 41°F to 122°F, rel. humidity 30% to 85% (non-condensing)	
Temperature of goods inspected	Up to 70°C / 158°F	
Power supply	1 phase I 10-230 V AC +/- 5%, 20 W typ. (60 W max.)	
Interface	RS232, LAN (optional, for SHARKNET®), USB (optional)	
Maintenance	Maintenance-free, selfcalibrating sensors	
Diagnostics	Integrated diagnostic software, automatic self-test	

The CASSEL quality promise:

As a premier manufacturer, CASSEL is committed to the highest quality standards. For more than twentyfive years, our goal has been to ensure the uncompromising quality of your products. We supply customers worldwide in various industries, including food, plastics, pharmaceuticals, textiles, lumber and mining.

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