

CASSEL

METAL SHARK® IN MEAT

Compact Metal Detector for meat pump

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.

Automatic diagnostics - possible functional defects of the device are displayed on a separate output contact.



Industrial Design

The whole system is made of sturdy stainless steel, appropriate for use in the food (especially meat) industry. With a maintenance free design and high quality construction, for reliable operation in the most challenging industrial environments.

Separates ferrous and non-ferrous metal
Metal detector according to IFS and HACCP
Hygienic - For daily cleaning easily dismantable





High pressure resistant product pipes

Special care has been taken to design a reliable high pressure throughput piping. The sturdy pipe resists high pressures up to 80 bar (1000 psi). The pipe flanges are suitable for adaptation into filling machines of OEM (e.g. Handtmann, Vemag, Risco).

Water Cleaning

The aperture opening is longterm sealed and protected. Thus makes the unit suitable for daily steam-hose cleaning. This feature has been approved in sausage productions with many washdowns a day.

Sturdy frame

The hygienic design is easy to clean and all tubing are complete closed welded on all sides. Due to a gas spring height adjustment is easy to handle. Four castors give mobility to the metal detector.

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.

Intuitive operation

The display shows only the information that is really required. Reduction to the essential makes operation clear and transparent.

Performance validation

According to HACCP the metal detector is a critical control point and therefore, it must be checked regularly. The performance validation automatically prompts the operator to test the performance of the Metal Shark at pre-set intervals.

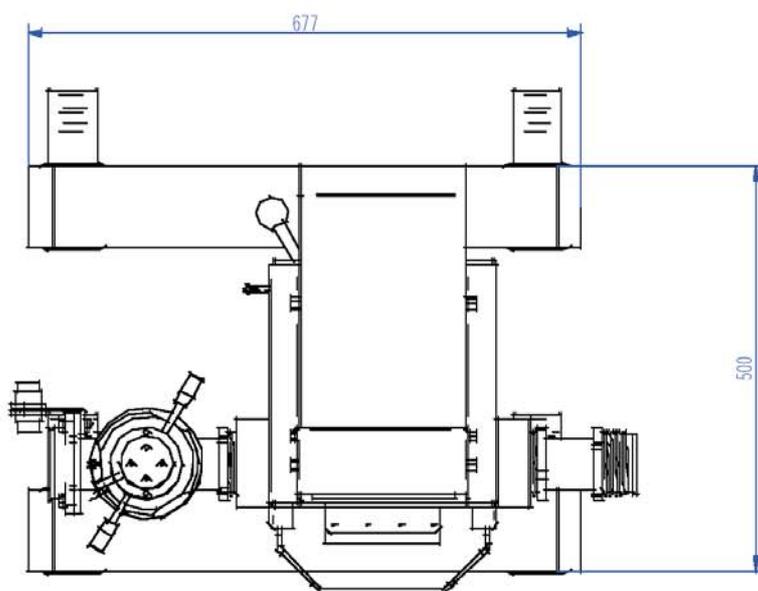
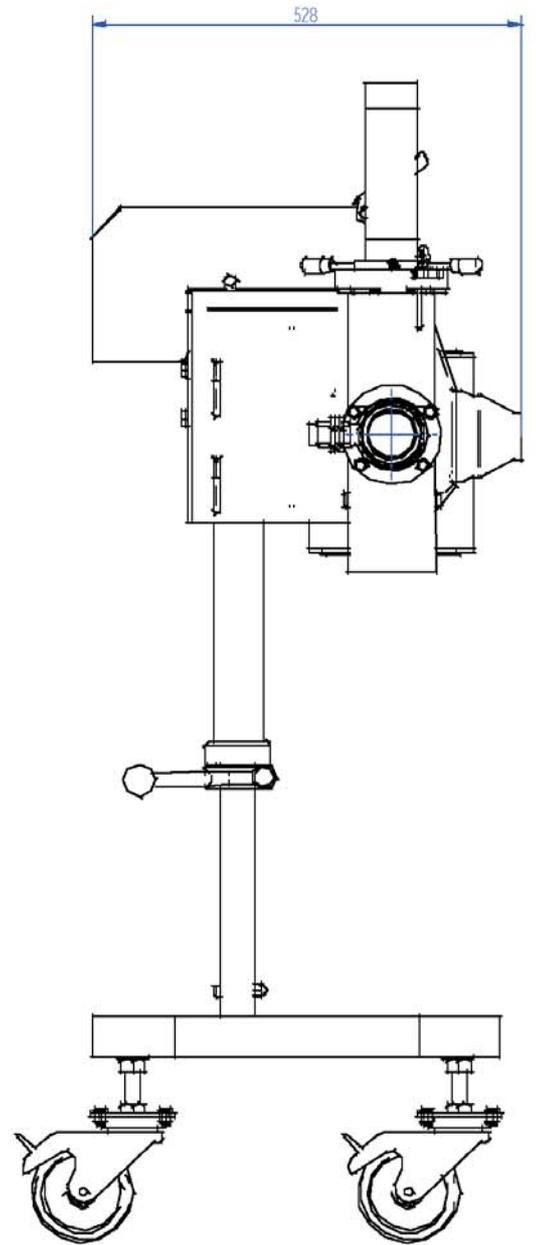
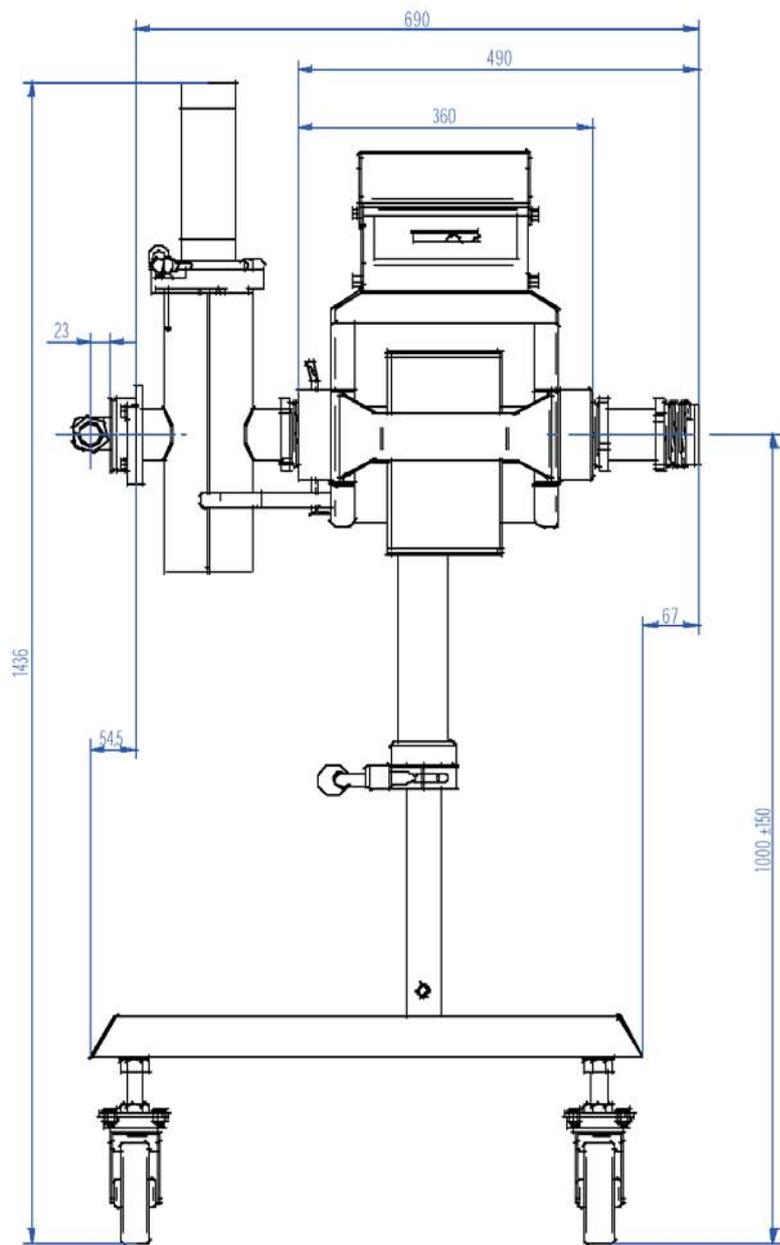


Type	METAL SHARK IN 65 MEAT EX-PWC (Reject piston)
Design	Compact metal detector for meat pump, mobile base frame, easy height adjustment, pipe height: 850 - 1200 mm (33.5 - 47.2 in)
Connection	RD80x1/4 (meat pump) Pipe diameter \varnothing inner 60,5 mm (2.5 in)
Assembly	Between meat pump and clipper
Power Supply	85-264 V / 50-60 Hz
Power Consumption	100 Watt
Ambient Temperature	-10...+50 C (+14 F...+122 F)
Product Temperature	-10...+80 C (+14 F...+176 F)
Protective Type	IP 68 / NEMA6P for daily waterhouse cleaning

Compressed Air	Min. 5 bar (only with reject piston)
Frame and Housing	Stainless Steel 1.4301
Components encountering the products	Stainless Steel 1.4301 and POM (FDA licenced)
Filling Pressure	up to 80 bar
Connecting Cable	Incl. external device cable, please specify with your order the type of meat pump
Reject Time	Adjustable 100-9990 ms
Product Speed	30 - 2000 mm/sek. (1.2 - 78.7 in/sec.)
Product Memory	120
Product-Effect-Compensation	Automatically Teach product-assistant
Sensitivity \varnothing mm	FE 0,5 AL 0,7 SS 0,8 (at no product effect)

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