

## Metal Detector SHARK® TU.

Divisible metal detector  
for belt conveyors, slides etc.

Maximum reliability thanks to the  
4 quadrant technology.

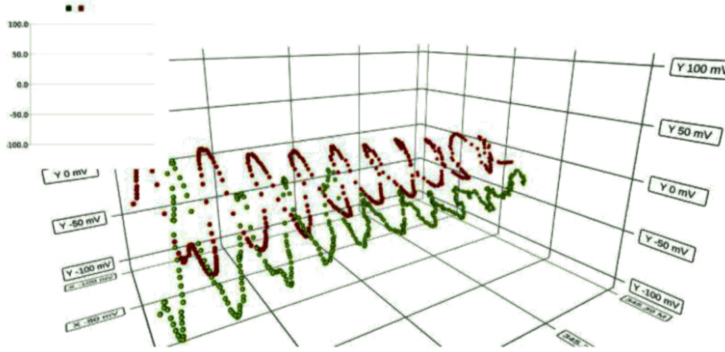


### Divisible High Performance Metal Detector

Our metal detector SHARK® TU is used in combination with conveyor belts or chutes if they cannot be divided or dismantled. The side walls of the TU can be removed so that the sensor plates can be slid over and under the belt without having to split it.

Thanks to the 4-quadrant technology, the metal detector precisely and reliably detects magnetic and non-magnetic metal contaminants (iron, stainless steel, aluminum, etc.). The stainless steel housing is easy to clean and robust, making it suitable for many industries.

Various options are available for the SHARK® TU metal detection detector, such as high and low temperature versions, versions for hose washdown (LPW) or high pressure washdown (HPW), certified test pieces, network connection, or signaling devices.



## BoostFactor

Up to 50% more accuracy – the SHARK® metal detector with 3D detection detects stainless steel up to 1 mm smaller than conventional detectors.

## 4 Quadrant Technology

The 4-quadrant technology has developed into the third dimension: Supplemented by *MultiPhase* and *BoostFactor*, three-dimensional signal signatures of your products are created – as unique as a fingerprint.

## MultiPhase

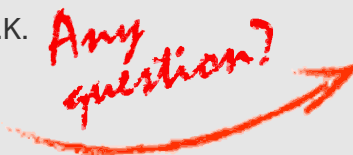
Continuous adaptation to changing conditions for even more stability. The SHARK® metal detector with 3D detection can easily handle frozen or heated products, changing product orientations or temperatures, and cooled, heated or humid environments.

## Technical Specifications:

Construction:	Search head and control unit made of stainless steel EN 1.4301 AISI 304
Product speed:	0.5 m/min ... 80 m/min; with speed sensor in case of variable speed
Outputs:	2 relay outputs; Failure and Metal; 8 binary outputs; configurable; 24V DC; e.g. for acoustic alarm
Inputs:	8 binary inputs; configurable; 24V DC; e.g. for rotary encoders, product recognition, buttons
Serial interface:	1 RS232
Power supply:	110 ... 230 V AC $\pm 5\%$ ; typically 20 W; max. 60 W
Operating temperature:	Search head -30 °C ... +60 °C (optionally up to +90 °C); Control unit -20 °C ... +40 °C
Product temperature:	-30 °C ... +55 °C (optionally up to +120 °C)
Relative humidity:	20% ... 90%, non-condensing
Protection class:	Search head IP54 (optionally IP66); Control unit IP65
Product compensation:	250 storage spaces, learning assistant
Options:	USB port; splash water cover; operating temperature -40 °C ... +55 °C; product temperature up to +120 °C; protection class IP66; strobe light; alarm horn
Certificates:	CE



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