

Metal Detection

SAFELINE

YDS Needle Detection



YDS Needle Detector

Customer Welfare Protection

Reliable Detection Capability

Retailer Standards Compliance

Integrated Data Collection

Protecting Your Customers
From the Dangers of Broken Needles

METTLER TOLEDO

Reliable Broken Needle Detection

For the Protection of Your Customers

Utilising proven SAFELINE detection technology, YDS Needle Detection systems provide the fully integrated inspection solution to ensure clothing, footwear and soft toy products are free of potentially dangerous broken needle parts.

Maximum Protection

The search head delivers maximum detection sensitivity to ferrous metals, easily meeting and exceeding the recognised 1.2mm industry standard. This gives you the peace of mind that you are protecting the welfare of your customers whilst ensuring your business complies with the demands of retailer standards.

Stable, Reliable Performance

A robust stainless steel frame provides the rigid base for the YDS Needle Detector. The conveyor is designed with an innovative, easy to remove conveyor belt mechanism to facilitate rapid cleaning when required.

The highly stable metal detection search head is durable and is designed to operate in areas of high vibration and in close proximity to other metal structures enabling installation to take place in small, restricted spaces.

The specific challenges of working in the textile industry have been addressed with in-built high immunity to external electromagnetic interference from sewing machines and other manufacturing equipment. Systems are also designed to operate comfortably with erratic mains power supplies, possessing the ability to cope with significant fluctuations in voltage without sacrificing performance.



SAFELINE YDS Series Needle Detection System

Rapid Set-up for Maximum Operational Efficiency

Fully integrated YDS Needle Detection Systems require minimal installation expertise. Simple set-up procedures through an easy to use interface ensure operators are rapidly able to set the machine with minimal training, ensuring production uptime is maximised.

Built-in product memories provide rapid recall to speed up the setting process and maximise uptime.

Finding only the metal that shouldn't be there

SAFELINE technology enables YDS Needle Detectors to differentiate between different metals. This means they are able to detect broken ferrous needles whilst ignoring other metals including non-ferrous zippers, studs and rivets which are used in many garments. This facility can also be used to check the quality of zippers and metal fasteners on arrival from suppliers.

The Solution for Compliance with Major Retailer Requirements

The password protected operator interface ensures machine settings are accessible to authorised personnel only. This helps to satisfy the demands of leading retailers. Compliance can be further enhanced by incorporating an innovative optional reporting facility. YDS detectors utilise in-built flash memory storage capacity to capture vital process information. This can be downloaded when required to build historical records and meet compliance needs.

Data gathered can provide a full 'time and date stamped' due diligence audit trail. Reports can be customised to suit specific requirements including:

- Batch data
- Product count
- Reject count
- Performance verification testing data
- Ability to demonstrate / vet vendor compliance



Finding the right metal



Optional data capture reporting facilities



Conveyor belts are designed for easy, rapid removal for cleaning when required.

Easy to use operator interface



Service Partnership now and into the future

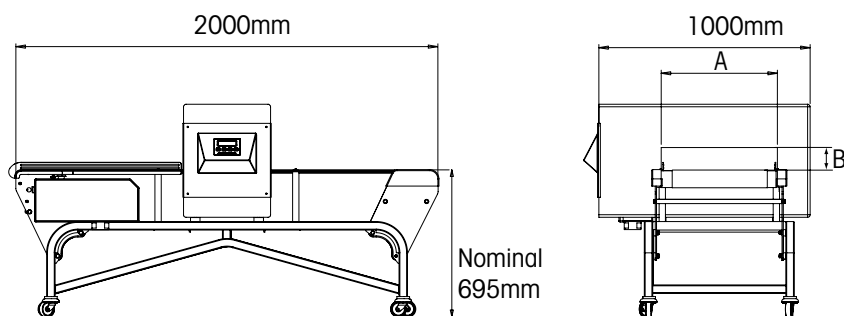
We realise that you need the assurance that support is available from a well trained team of knowledgeable, highly skilled engineers whatever the time of day, wherever you are in the world. That is why we invest in our service teams.



With the largest network of certified, locally based technicians and service centres located all over the globe, our engineers and telephone support help desk are only a phone call away.

Technical data

SAFELINE YDS Needle Detector



Model	Detector Aperture / Usable Height*		Sensitivity** Ferrous Ball Diameter
	A	B	
YDS 225	550mm	125mm	>0.8mm
YDS 228	550mm	200mm	>1.2mm
YDS 229	550mm	225mm	>1.5mm

Note: Other sizes are available - please contact your local SAFELINE YDS Needle Detection System distributor to discuss your requirements.

* Allow approximately 12mm minimum clearance all around the product for its clear passage through the detector

** Detection sensitivity measured in the centre of the aperture

Belt Speed	30m/min
PC Interface	Optional - RS232 serial port / USB connectivity solution available
Power Supply	Universal 110-220V / 50-60 Single Phase - 400 VA
Alarm Method	Belt stop on detection. Warning sounder with programmable tones
Production Throughput	30,000 items per 8-hour shift (average)

www.mt.com/needledetection

For more information

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