



# METRON 05 D

**Divisible metal detector for assembly in conveyor belts  
in the plastic industry**

## Reliable detection of all types of metal

Metal detectors from Mesutronic use state-of-the-art technology to protect your production, your reputation and your customers from damage caused by metallic foreign bodies. Digital signal evaluation combined with innovative evaluation procedures, comprehensive self-monitoring and easy operation ensure the optimal functioning of the system as well as the secure passing of all kinds of audits. The devices are complemented by an extensive range of accessories and variants; from multi-frequency technologies to test specimens and material certificates.

## Durable operation in any application

Our systems are adapted to the application and environment of our customers already in the design phase. This ranges from cleaning conditions with high-pressure cleaners, to dust- or salt-laden environments and potentially explosive areas. In addition to professional and customer-oriented product development, we achieve this through the careful processing of high-quality materials, be they stainless steels of suitable quality, various plastics or special sealing materials.



## Easy installation and operation

The divisible design of this metal detector allows both simple retrofitting and a fast belt change in the event of damage. The predefined standard setups allow operation in most applications without additional settings. At the same time, the clear operating structure enables the storage of further customer-specific programmes at any time; for example, for the investigation of highly conductive plastics or the occurrence of metal-steamed labels.



## Safety for the processing of plastics

The focus of inspection systems in the plastic industry is on process monitoring. Foreign bodies made of iron, brass, aluminium or stainless steel must be removed reliably. This ranges from a brass chip trapped in granulates to a nut that threatens to damage the mill. These are a critical means of ensuring value creation in production and process quality. They can also provide valuable services in special applications for outgoing goods.



## Your wishes, our task

Solutions tailored to the customer facilitate integration, save costs and reduce introduction barriers, especially with existing product lines. These range from simple flanges for metal separators to specially designed conveyor systems with a width of several metres. We always work in dialogue with our customers in order to ensure a result that is reliable and as economical as possible. This is made possible by our competent team of employees. The essence of Mesutronic is its high affinity for creative solutions in all areas, from sales to application, mechanical and electronic development, up to production and after-sales. It is supported by modern work equipment and a process world embedded in ISO 9001.



## Ready for the future? We say: Yes!

Depending on the type of electronics used, our systems can already be connected as standard via analogue signals, various bus systems or Ethernet to PLCs, process control systems or other machines in the line. With digital networking the OPC UA protocol, in addition to other protocols, is used here for the smooth transmission of operating conditions and production-critical values. Depending on the system, these basic functions can be supplemented with the mesuNET network software, the mesuREMOTE remote maintenance tool or the mesuEXPORT reporting feature to allow full use of the potential of digitization and Industry 4.0.



### **No compromises, always there for you**

During the entire life cycle of the inspection system, from project planning to commissioning, the productive phase until a fault occurs, a professional, agile and attentive service team decides on the ultimate effectiveness of the inspection programme installed by the customer. At Mesutronic, the customer is at the heart of everything we do in all these phases. This starts with a system concept that places functionality above yields and ends with an after-sales service for fast, reliable help that comes as standard. Our training offer is tailored to your needs and increases the competence of every level of personnel that comes into contact with our systems.

 **Mesutronic GmbH**  
Hackenfeld 13  
94259 Kirchberg im Wald  
Germany

 +49 9927 9410 0  
 [sales@mesutronic.de](mailto:sales@mesutronic.de)  
[www.mesutronic.de](http://www.mesutronic.de)