mesutronic
dynamic SPECTRUM



easySCOPE MT DS

X-ray inspection system with photon counting in the production of granular foodstuffs

Reliable foreign body detection and quality control

X-ray inspection systems from the Dynamic Spectrum series deliver outstanding detection accuracy through the use of state-of-the-art technology, even for challenging tasks such as the detection of bones and plastics. Two energy levels are analyzed using application-specific thresholds. The results are further enhanced by the integrated photon-counting detector. Depending on the application, it provides significantly sharper images and can detect foreign bodies starting from a diameter of 0.2 mm.

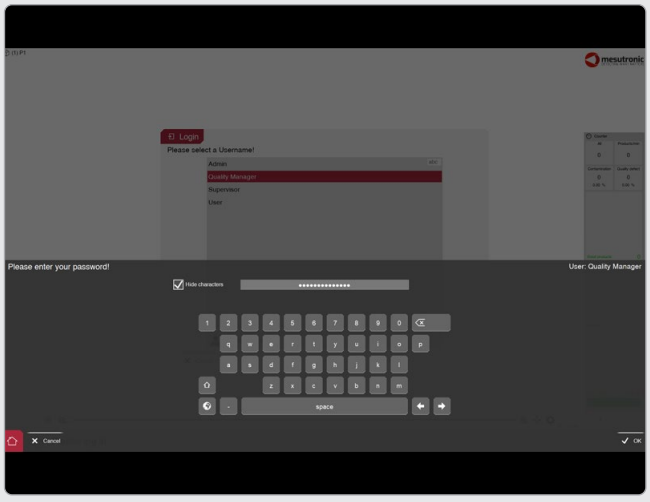


Easy installation and operation

The compact design allows retrofitting even in confined spaces. During the development, special attention was paid to making the most important operating steps as self-explanatory as possible for the respective user groups. Regular maintenance work such as belt changes or the renewal of protective curtains can be performed in just a few steps.

Conformity to standards and directives

One of the most important criteria for the successful installation of an inspection system is ensuring compliance with the requirements of legislation, trade organizations and management. On the software side, standard features such as password-protected user management, automatic test requests or various reporting options provide valuable services. The sophisticated structure of our devices ensures compliance with the relevant hygiene guidelines.



Safety for the production of granular foodstuffs

The focus of inspection systems in the investigation of powders and granulates such as instant products, salt, sugar or flours is on monitoring outgoing goods. Foreign bodies made of metal, glass or stone must be removed reliably, and other quality defects must be reduced as much as possible. This ranges from a piece of stainless steel wire in a packet of stock cubes to a copper chip in a 50 kg sack of flour. These are a critical means of meeting stringent quality guidelines such as those of the IFS, BRC, TESCO and others. For incoming goods and production, they reduce costs and increase process reliability - for example, by checking raw materials before grinding, or protecting moulding and filling machines.



Your wishes, our task

Solutions tailored to the customer facilitate integration, save costs and reduce introduction barriers, especially with existing product lines. This may include special feed belts, separation devices or combinations with metal detectors. 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.

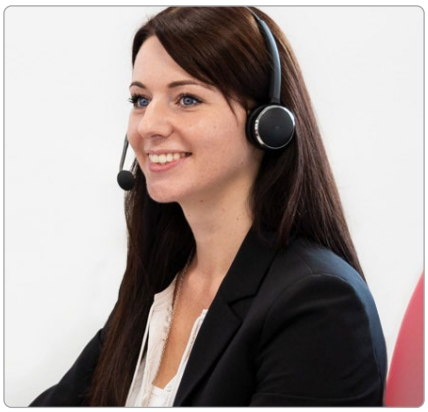






Ready for the future? We say: Yes!

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. These basic functions can be supplemented with the mesuLINK network software, the mesuREMOTE remote maintenance tool or the mesuEXPORT reporting feature to allow full use of the potential of digitisation 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.

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