



## X-Ray Tape Analyser (XTA100)

The OCS X-ray Tape Analyser (XTA100) is an X-ray-based inspection system for polymer films. It was specially developed for the cable and wire industry and enables the specific detection of metal particles. The film is inspected using a high-resolution X-ray camera system. The measurement results are analysed by the XTA100 software according to customer-specific requirements, and defects are classified. All relevant measurement results are clearly displayed and can be exported to all common file formats. The XTA100 can be combined with other OCS film inspection systems, such as the TQA100. This combination provides additional measurement results that allow an even more extensive analysis of the defects.

### Sales Team



### Testable Raw Materials

- Polymer films (tape)

### Features

- High-resolution X-ray camera system
- High-quality and proven radiation protection
- Easy operation due to sliding housing
- Real-time error analysis with customer-specific presentation of results

### Compatible with

- OCS Tape Line
- OCS Modular Film Analyser (MFA)

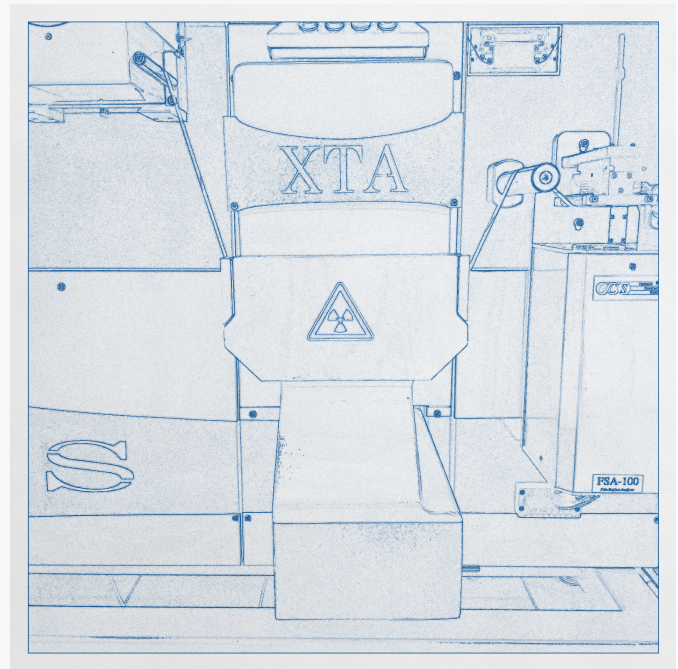
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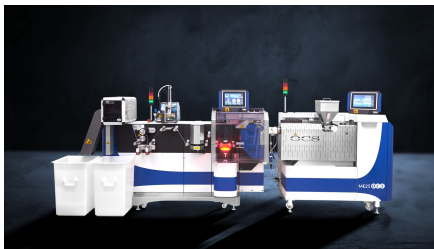
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Germany

## Technical Details

|                                      |   |
|--------------------------------------|---|
| <b>Camera</b>                        | X-ray line camera   |
| <b>Resolution</b>                    | From 20 µm  |
| <b>X-ray source</b>                  | X-ray radiation   |
| <b>Communication protocol</b>        | MODBUS (RTU, TCP/IP), PROFIBUS, PROFINET, OPC (Server/Client), CSV file, customer-specific  |
| <b>Radiation protection measures</b> | Fully enclosed radiation protection housing;<br>In operation measured dose rate lower than background level;<br>Redundant guard controls with active guard locking;<br>Redundant optical warning lights;<br>Key switch to access the x-ray system |

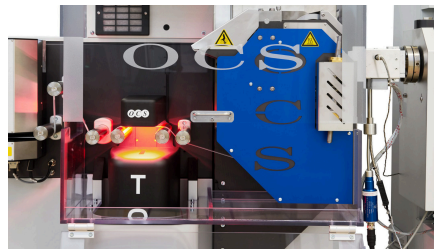


## Similar Products



### Tape Line (TCA®)

The OCS Tape Line Type TCA® is used for testing transparent polymer films (tape). It consists of the OCS Measuring Extruder (ME) and the OCS Modular Film Analyser with Calender (MFA-Calender). Our calendaring system has been specially developed for the wire and cable industry. It presses and cools the extruded polymer film (tape) from both sides, thus ensuring a smooth and consistent surface thickness for optical analysis. The Tape Quality Analyser (TQA100) contains a high-resolution camera system that detects contaminants, gels, black specks, fibres and metal particles. The detected errors are marked by the LASER Marking System (LM100) or ... [read more on our Website]



### Tape Quality Analyser (TQA100)

The OCS Tape Quality Analyser (TQA100) is used for testing transparent materials (tape) in the wire and cable industry. The high-resolution camera system with a resolution of up to 5 µm and OCS-developed LED illumination with MCE technology (Multi Channel Evaluation) detects impurities such as black specks, fibres and metal particles. With the use of the MCE technology, the system can be adapted to customer-specific requirements and thus further optimise the quality of contamination detection. In the TQA100 software, the measurement results are analysed according to customer-specific presentation of results and defects are classified. All relevant measurement results ... [read more on our Website]



### Modular Film Analyser (MFA)

The OCS Modular Film Analyser (MFA) is used for the continuous cooling, stripping and winding of extruded polymer film. In combination with a variety of different measuring instruments, a wide range of applications for the analysis of different sample materials is covered. In addition to the Film Surface Analyser (FSA100V2/FSA200V2) for optical quality control of the polymer film, online spectroscopy, the measurement of haze and transmission as well as gloss and thickness can be integrated. This allows the combination of a tailor-made and yet economical solution. [vc\_column width="1/2"] Features Modular architecture for customer-specific configuration with different measurement devices Homogeneous, ... [read more on our Website]