

Film Surface Analyser (FSA100V2/FSA200V2)

The OCS Film Surface Analyser (FSA100V2/FSA200V2) is a modular optoelectronic inspection system for polymer films. It can be used in the laboratory as well as in the running production process. The film is inspected by means of a high-resolution CMOS line camera and a user-specific, high-power LED. This combination enables optimal defect detection in transparent, opaque and coloured polymer films. In the FSA100 software, the measurement results are analysed according to user-specific requirements, defects are classified and the film quality is determined. The FSA100V2 can be combined with other OCS film inspection systems. This combination provides additional measurement results, which allow even more extensive analysis of the defects. Furthermore, multiple FSA100V2 systems can be used on one OCS film line to perform different inspection tasks simultaneously, such as reflection and transmission measurement.

Testable Materials

- Polymer films

Features

- Modular structure for simple and quick adaptation to customer-specific requirements
- Customer-specific lighting technology such as MCE lighting (Multi Channel Evaluation)
- Real-time error analysis with customer-specific presentation of results
- Transparency measurement

Compatible with

- OCS Cast Film Line

Sales Team

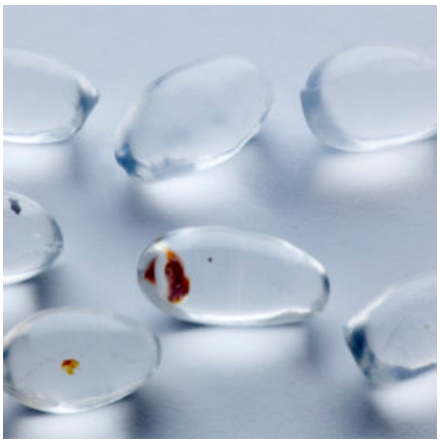


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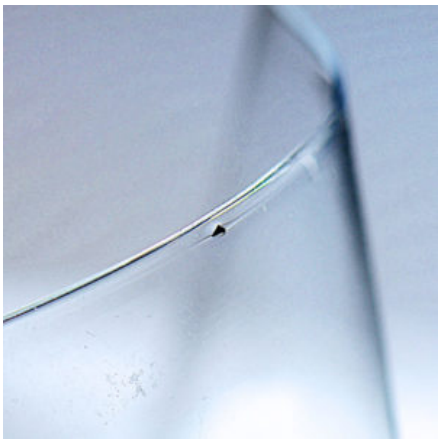
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- OCS Blown Film Line
- OCS Tape Line


Testable pellets/polymers with defects

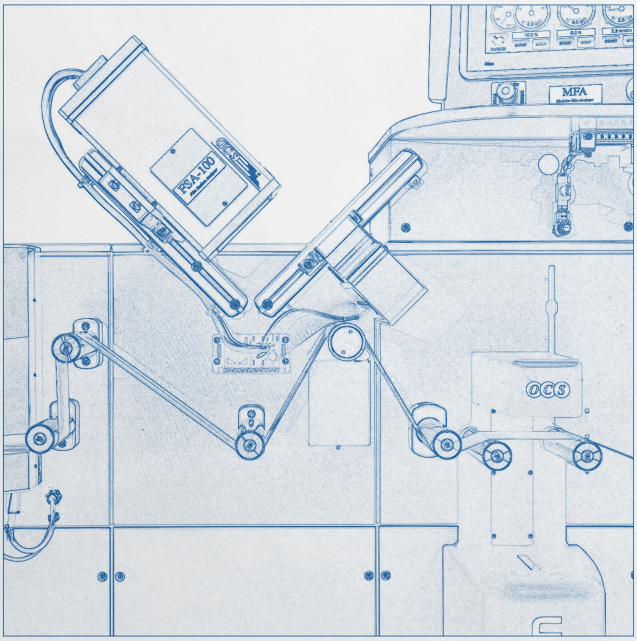




Extruded polymerfilm with visible defects

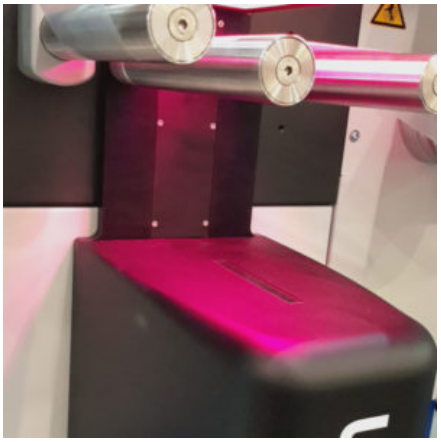
Technical Details

Camera	3CMOS line scan camera
Resolution	from 5 µm (25 - 50 µm standard resolution)
Lighting	LED
Communication protocol	MODBUS (RTU, TCP/IP), PROFIBUS, PROFINET, OPC (Server/Client), CSV file, customer-specific



More Product Pictures



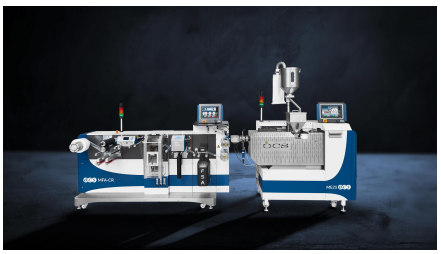


Similar Products



Blown Film Line

The OCS Blown Film Line is used to carry out optical and physical property measurements of polymers in the production of high-quality blown films (blowing, cooling, laying flat, haul-off and winding). All parameters of the line, e.g. extruder speed, temperature, haul-off



Cast Film Line

The OCS Cast Film Line is used to perform optical and physical property measurements of polymers in the production of high-quality cast (flat) films (extrusion, cooling, stripping and winding). All settings and parameters, e.g. extruder speed, temperature, film tension,



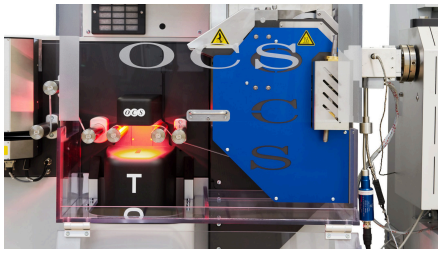
Modular Film Analyser (MFA)

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

speed, film width, film bubble ratio, are stored by a touch panel control system, which ensures that the film quality is reproducible at any time. This is an important parameter for optical and physical on-/offline measurements, for use with gels, impurities, fibres and other contaminants, as well as for turbidity, transmission, gloss, density and additive measurements. Possible testable polymers ... [read more on our Website]

winding force, winder diameter, are stored by a touch panel control system which guarantees that the film quality can be reproduced at any time. This is an important parameter for optical and physical on-/offline measurements, for example in detecting gels, contaminations, degradations and other impurities as well as haze, gloss, density and additive measurement. Possible testable polymers include, for example, PP, ... [read more on our Website]

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, yet ... [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 are ... [read more on our Website]



Surface Quality Analyser (SQA100)

The OCS Surface Quality Analyser (SQA100) is specially designed to detect irregularities on the surface (pips) of polymer films (tape) in the wire and cable industry. The high-resolution CMOS camera system measures the height of the pips with a resolution of 1 µm using a special measuring method. Additionally, the base diameter and the diameter at half the height of the pips are measured with a resolution of 10 µm. The SQA100 software allows the user to define height and diameter classes and classify the measured pips accordingly. All relevant measurement results are clearly displayed and can be exported to ... [read more on our Website]

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