



Offline Tape Tester (OTT100)

The OCS Offline Tape Tester (OTT100) is a compact, cabinet-integrated optoelectronic inspection system for quality testing of polymer films. The system is based on the technology of the established OCS Film Surface Analyzer FSA100V2 and was specifically designed for flexible offline use.

The OTT100 enables the precise analysis of materials that are difficult or impossible to extrude without the need for a running extrusion line. To do this, the polymer film sample is first wound onto factory-supplied cores (up to 10 meters in length / up to 100mm in width) and processed directly in the OTT100.

Thanks to the optimized system design and minimized mechanical dead travel, users can obtain meaningful and highly reproducible measurement results starting with a sample length of just 2 meters.

Testable Materials

- Polymer films on a winding core: Film samples up to 10 meters in length and up to 100mm in width

Features

- Real-time defect analysis: The OTT100 detects and classifies optical defects (e.g., gels, specks, black specks, holes, or foreign objects) in real time with customer-specific result presentation.
- Fully Automated Measurement Process: Synchronized control of film transport, optical detection, and software evaluation without manual intervention.
- Efficient Material Utilization: Nearly complete evaluation of extremely short samples by reducing mechanical lead-in (dead travel).

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- Interference-free measurement environment: Reliable protection of the sensitive sensor technology from external laboratory influences thanks to the enclosed housing design.

Technical Details

System Architecture	Compact system cabinet with integrated FSA100V2, winding mechanism and an embedded PC
Evaluability	From 2 metres in sample length
Sample length	Up to 10 metres
Sequence control	Fully integrated process control for the automated operation of the FSA100V2
Camera	3CMOS line scan camera
Resolution	from 5 µm (25 - 50 µm standard resolution)
Lighting	LED

More Product Pictures



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