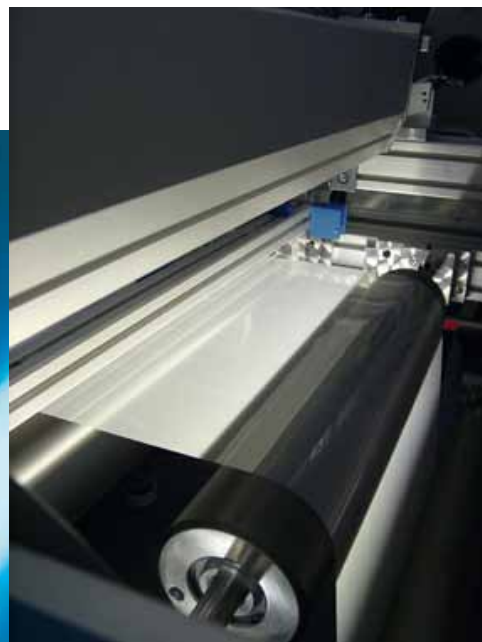


EasyInspect & EasyMeasure

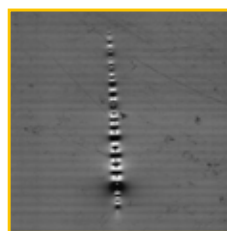


High-Performance Inspection System for Base and Converted Materials



EasyInspect

The complete inspection solution



EasyInspect & EasyMeasure



Dr. Schenk's EasyInspect system used on film material

EasyInspect: 100 % reliable, high-speed & high-performance inspection of base and converted materials

Dr. Schenk offers a variety of reliable inspection solutions for different materials, that detect defects and irregularities in film & foil, optical film, paper, non-woven, laminated and coated products.

Dr. Schenk's high-speed cameras offer excellent downweb resolution – an indispensable requirement for modern high-speed production environments.

From modular and standardized inspection units to customized systems, the Dr. Schenk project team customizes the EasyInspect package that suits various inspection requirements and tasks as well as QA budgets.

YOUR BENEFITS

Cost Savings with Superior Technology

- Improved defect detection and classification through Multiple Image Defect Analysis (MIDA)
- Super-fast cameras allow multiple optical channels in one camera line
- Reduced costs and installation space through Twin-Line illumination – 2 optical channels in one illumination

Unparalleled User-Friendliness

- Easy and automatic creation of classification rules with the Auto-Classifier
- Configurable reports with the Dr. Schenk Reporting Tool

100% Material Monitoring

- Easy Measure for 100% monitoring of the material properties e.g. haze, thickness, and many more

Unique MIDA inspection

With Dr. Schenk's unique Multiple Image Defect Analysis (MIDA) all kinds of web defects can be fully analyzed in one inspection run. Thanks to ultra-high speed illumination switching and multiple optical channels per camera line all issues can be detected and classified with more information per defect, at higher production speed, than any other inspection technology can.



Two optical channels in one illumination

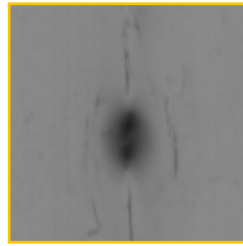


Ensures Quality, Improves Your Process

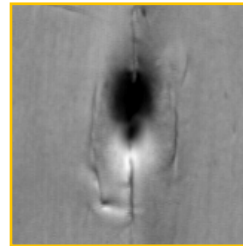
Detection of

- Contaminations
- Gels
- Inclusions
- Holes
- Scratches
- Streaks
- Bubbles
- Coating voids
- Stains
- Wrinkles
- and many more...

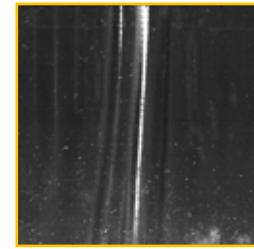
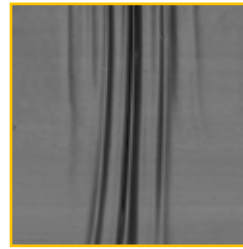
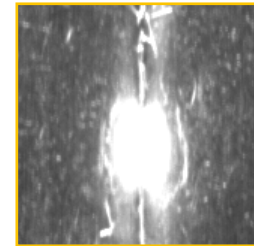
Brightfield
Transmission



Brightfield
Reflection



Darkfield
Reflection



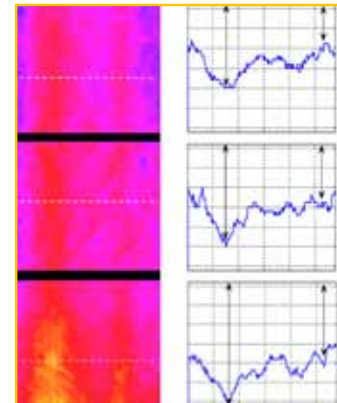
Gel (Top) and Wrinkle (Bottom) defects, displayed in different optical channels

Materials

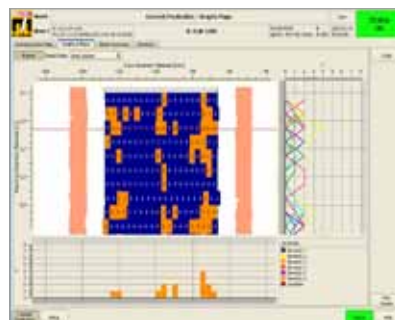
- (Co)-Extruded film
- Blown film
- Nonwoven / Textiles
- Coated and laminated film and foil
- Release liner and adhesive film
- Battery film
- Window film
- Flexible Packaging
- and many more...

Monitoring material properties

Correct monitoring of material is a crucial component for the quality of any web material. Dr. Schenk's EasyMeasure generates a homogeneity map of layer properties (i.e. thickness, surface structure, transmittance) for the full width of the material. A range of false color displays is available to highlight different aspects of the material homogeneity.



Gray image of a material in false color display



Screen shots of EasyInspect's defect analysis software

Your Reliable Partner



Dr. Schenk's production site

Dr. Schenk GmbH, established in 1985, is an innovative high-tech company based near Munich, Germany. Dr. Schenk develops, produces and markets optical surface inspection and measurement solutions for automated quality assurance and production process monitoring. This includes high-quality, customizable handling solutions. Our products are a key success factor in the making and converting of many materials, e.g. plastics, textile materials, nonwovens, paper, metal, or glass, for a multitude of markets like display glass, automotive, packaging, medical, renewable energy, and many more.

Throughout the world Dr. Schenk's over 280 employees continue to set new standards for the inspection of surfaces. More than 12,000 m² of modern, cleanroom-capable production and testing facilities are available to research, development and production to apply cutting-edge optics and electronics to customer applications.

Dr. Schenk offers extensive from-lab-to-fab knowledge. Customers benefit from our expertise in the translation of lab applications to large scale productions. Our sophisticated handling solutions complete the one-stop-shopping experience.

The company's objective is complete customer satisfaction. This is achieved through innovative and practical solutions that can be implemented into new and existing production lines. Local sales and service facilities around the world ensure fast support, technical service, training and consulting at any phase of a project.

From modular standard units to highly customized systems – Dr. Schenk's solutions have precision in focus!!

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