

In-line Inspection for Non-woven: Quality and Process Control



Dr. Schenk, leading supplier of high precision inspection systems, offers a groundbreaking technology that helps non-woven manufacturers and converters to combine the detection of defects with material monitoring.

EasyInspect identifies miniscule defects that can occur during the manufacturing process. EasyMeasure monitors the homogeneity of the final product's properties. The combination of EasyInspect and EasyMeasure fully ensures product quality and optimizes the non-woven manufacturing process with just one system.

Benefits of automated optical inspection and monitoring of non-woven material

The innovative optical inspection solutions EasyInspect and EasyMeasure allow a comprehensive quality control (ISO 9001) to match the highly required product liability. At the same time they both help to reduce the life-cycle costs caused by poor quality products and minimize material waste during the production (ISO 14001).

Non-woven applications:

- Hygiene material
- Medical products
- Personal care
- Civil engineering
- Automotive
- Coating substrate
- Filters

Non-woven defects:

- Inclusions
- Holes
- Contaminations
- Embossing defects
- Lines
- Thin areas
- Thick areas
- Cluster
- Formation defects
- Wrinkles

Wrinkle



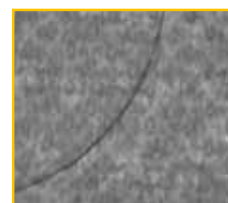
Broken wrinkle



Contamination



Hair



Ensure your product quality and optimize the non-woven manufacturing!

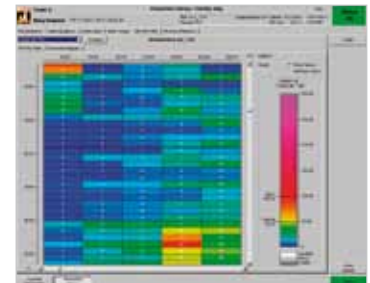
EasyInspect applied to non-woven identifies defects and irregularities that can occur in any manufacturing step. The system's innovative optical set-up and its image processing and visualization software have been adapted to the specific requirements of non-woven. Proven as highly reliable, EasyInspect convinces by the following highlights:

- Advanced camera and illumination technology for highest contrast and optimized resolution
- Reliable and accurate classification of defects
- High defect sensitivity with bright-field and dark-field channels
- Easy integration into production lines
- Standard components for an optimal price/performance ratio
- User-friendly interfaces according to SEMI standards
- Networking for further evaluation



EasyInspect combined with EasyMeasure allows full control over the manufacturing process and the end product. Together they support you significantly in

- establishing consistent quality standards by rejecting material with irregularities from the further production process,
- improving yield by quickly identifying the source of a defect and eliminating the problem immediately and
- gaining in-depth knowledge of the production process by quality documentation, history and statistic reports.

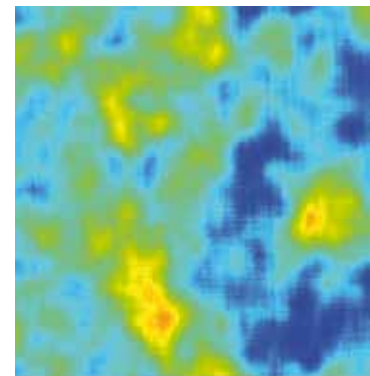


EasyMeasure

Monitoring for 100% control in the production of non-woven

Formation Monitoring: enables manufacturers to monitor the homogeneity of formation.

Grammage Monitoring: control of the thickness uniformity and density distribution of non-woven.



About Dr. Schenk

Dr. Schenk GmbH, established in 1985, is a global innovative high-tech company based in Munich, Germany. For the third decade now, the range of products and services offered by Dr. Schenk comprises comprehensive solutions for automated quality assurance and production process monitoring for the solar, flat glass, film and foil, converting, optical media and semiconductor industries.

CONTACT

Dr. Schenk GmbH
Industriemesstechnik
Einsteinstraße 37 (Martinsried)
82152 Planegg, Germany

Phone: +49-89-85695-0
Fax: +49-89-85695-200

USA
Phone: +1-651-730-4090
Fax: +1-651-730-1955

Hong Kong
Phone: +852-2425-1860
Fax: +852-2425-6775

China
Phone: +86-10-6503-2159
Fax: +86-10-6503-2161

Taiwan
Phone: +886-2-2920-7899
Fax: +886-2-2920-8198

Korea
Phone: +82-2-527-1633
Fax: +82-2-527-1635

For further regional sales & service representatives please refer to www.dr.schenk.com

