In-line Inspection for Glass Fabrics and Prepreg: Quality and Process Control

Dr. Schenk, leading supplier of high precision inspection systems, offers the groundbreaking MIDA (Multi Image Defect Analysis) technology that helps glass fabrics and prepreg manufacturers to combine the detection of defects with material monitoring. This is especially important for the production of high-quality electronic components such as printed circuit boards (PCB) but also in many other technologically advanced industries.

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 ensures product quality and optimizes the prepreg and glass fabrics manufacturing process with a single system.

PCB Applications
- Electronic grade glass fabric
- Prepreg
- Copper clad laminate
- Dry film

Other Applications
- Transport
- Aerospace
- Architectural
- Renewable energy
- and more

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KEY BENEFITS

• Better technology:
  • Multiple Image Defect Analysis (MIDA) offers inspection in up to four optical channels for each defect

• Better quality:
  • Reduced waste and higher quality of final products
  • Increased customer satisfaction through fewer returns

• Better cost efficiency:
  • Cost savings by replacing manual quality control
  • Increased productivity through early detection of process problems

• Better profit:
  • Enables a fully automated production and packaging line
  • Increased throughput of the production
  • Faster time-to-market for new products through immediate process feedback

Easy Measure option: 100% control of the prepreg and glass fabrics production process

EasyMeasure, Dr. Schenk’s additional inspection option, provides manufacturers with the ability to monitor the homogeneity of the individual material layers. This feature provides control over the thickness uniformity and density distribution of glass fabrics and prepreg materials.

About Dr. Schenk

Dr. Schenk GmbH, established in 1985, is a globally active, innovative high-tech company based in Munich, Germany. For the third decade now Dr. Schenk offers comprehensive solutions for automated quality assurance and production process monitoring for the solar, flat glass, film and foil, converting, optical media and semiconductor industries.