



Your benefits from Dr. Schenk's unique glass inspection solutions

Dr. Schenk GmbH Industriemesstechnik
Headquarters
Bussardstr. 2
82166 Graefelfing
Germany

www.dr.schenk.com

Your Material in Focus

Technical specifications subject to change without notice. © Dr. Schenk GmbH, 2022/08

1. Float Glass Inspection

Dr. Schenk's GlassInspect offers the optimal scalable solution for all float glass manufacturers.

Your advantages for float glass inspection are:

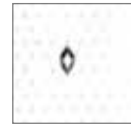
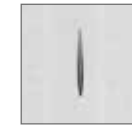
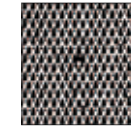
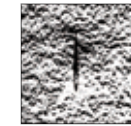
- Best measurement and analysis of core size, contrast and shape of all glass defects
- Inspection for glass transmission grades as low as 5 percent at full ribbon speed
- Dedicated channel for tin detection and for precise defect depth recognition
- Detection of reams and ream knots and measurement in mdpt
- Up to 8 optical channels available



2. Patterned Glass Inspection

Inspection of patterned glass poses many challenges to inspection systems - this is why you should choose Dr. Schenk.

Bubbles, micro-cracks and edge chips are detected with unsurpassed reliability, differentiating clearly between open and closed bubbles.

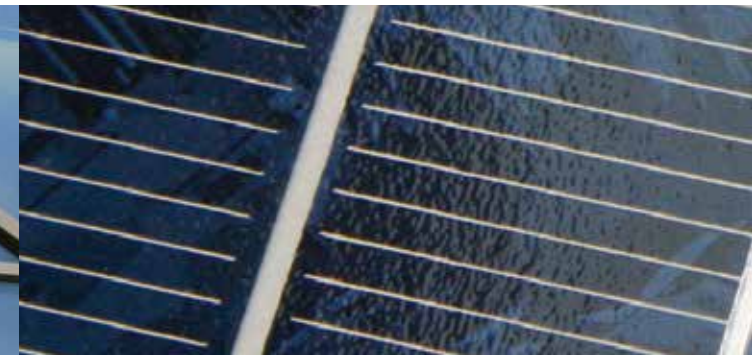


Long and open bubbles as seen with conventional inspection system

Long and open bubbles as seen with Dr. Schenk's GlassInspect

Your advantages for patterned glass inspection are:

- Inspection system specialized to precisely distinguish between glass structure and defects
- Coverage of 100 percent of the material surface including the edges
- Suitable for both ribbon glass and cut glass sheets
- Measures the panel's shape and dimensions

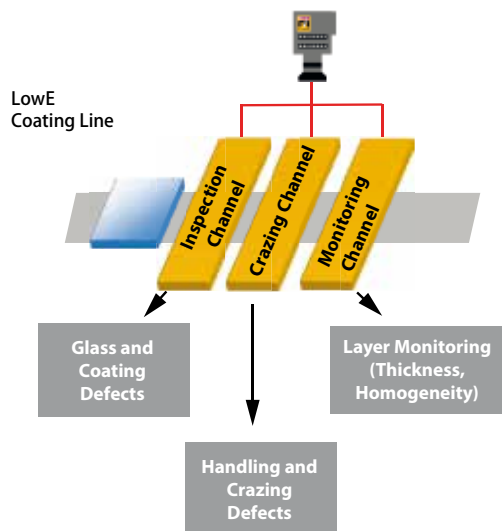


3. Automatic Inspection for LowE, AR and AG Coated Glass

Dr. Schenk's GlassInspect and GlassMeasure are the market-leading inspection systems for modern LowE, AR and AG coated glass. Homogeneity measurement for 100 percent of the glass area in combination with effective, reliable and reproducible local defect detection give our system and our customers the leading edge over the competition.

Your advantages for coated glass inspection are:

- High-performance detection of pinholes, flakes, voids, crazing, arcs, and other typical defects
- Reduced waste and higher quality of final products
- Increased productivity through early detection of process problems



4. SLT - Sirius Light Technology

Dr. Schenk's SLT delivers more light to the surface of the material than conventional LED illuminations. More light reveals more defects in greater detail and enables ultra-fast camera speeds - essential when producing at high speeds.

SLT's actively water-cooled illumination units are customized to ensure the right kind and the right amount of light are used to inspect your material.

Your advantages from SLT are:

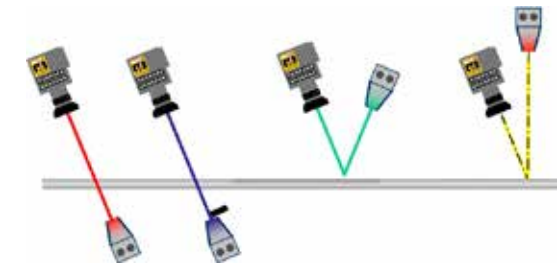
- Best defect detection & classification
- Boost in application of ultra-fast cameras
- Steady illumination power over full material width for consistent, full-width defect detection
- 100 percent illumination power for best detection results
- High stability & long lifetime



5. MIDA - Multiple Image Defect Analysis

Dr. Schenk's MIDA allows combining different viewing angles in a single camera row. Using MIDA, you can move from the conventional

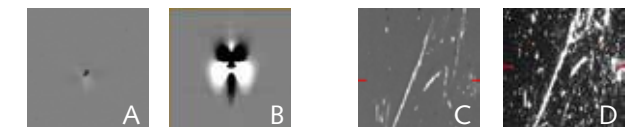
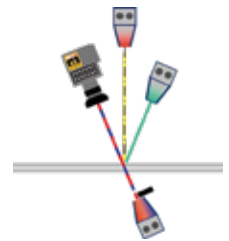
...one view per camera row solution



...to multiple views per camera row.

Your advantages from MIDA are:

- Savings in required line space
- Reduced investment
- Improved detection & classification



Stone defect in float glass seen with the core channel (A) and the distortion channel (B)

Scratch on LowE glass sheet seen in brightfield reflection channel (C) and darkfield reflection channel (D)