

Surface Inspection of Flat Glass



› Challenge

Sheets of flat glass in various sizes shall be inspected for bubbles, knots, scratches, inclusions or coating defects. The inspection shall be integrated in the manufacturing process.

› Solution

The image acquisition System is optimized to the actual application by pane size, smallest specified defects and conveying speed.

Image acquisition is done by multiple camera systems mounted above the manufacturing line. Thanks to state-of-the-art high performance illumination is reached an optimum of throughput at highest recognition reliability. The system is adaptable to the inspection of pattern glass used in photovoltaic applications by a purpose-built illumination system.

For tasks with moderate requirements according the throughput the acquisition unit is moved automatically at right angles to the conveying direction of the glass. This option reduces the hardware effort and allows a high magnification even for large glass.

› Benefits

- Robust detection of all relevant defects
- Appropriate to all kinds of flat glass
- Appropriate to all pane dimensions
- Appropriate to many coatings
- Continuous monitoring of glass quality
- Early detection of process malfunctions
- Easy conversion to customized requirements
- Easy process integration

› Contact

Bodo Kuhnert (Sales)

Tel.: +49 (0)30 / 42 104-736

Email: kuhnert@graphikon.de

G/Glas Glass inspection

