

Surface

Quality Inspection of Furniture Surfaces



Keep an Eye on your surfaces

TODAY YOU CAN REACH increased capacity at the same time as your customer rejects are minimized. Surface-QI fully replaces your manual inspection and delivers accurate decisions.



Surface-QI KEY PROPERTIES

- SURFACE-QI is built on patented optical and vision technology that will enhance the ability to detect and classify surface defects.
- SURFACE-QI uses smart cameras that can capture several images, e.g. 3d, gloss and color image, at high frame rates.
- SURFACE-QI uses solid state light sources, LED and lasers, that will ensure a high and reliable performance with very low degradation and very long expected life time.
- SURFACE-QI is based on our QI software platform that can easily be adapted for almost any new customer requirements.

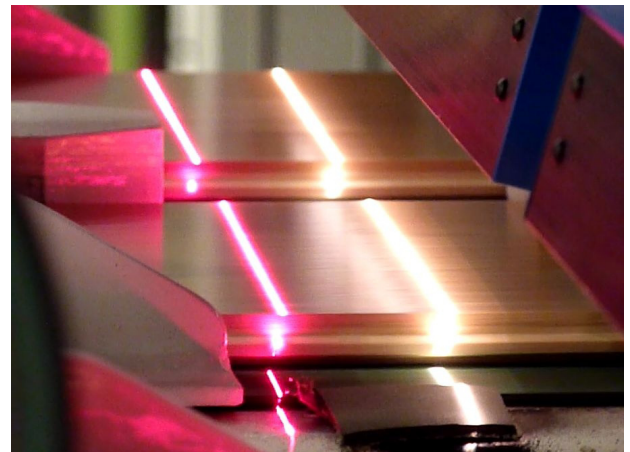
Surface-QI

APPLICATIONS

Different versions of Surface-QI are optimized for inspection of

- Clear lacquered solid wood and veneer surfaces
- Pigment lacquered surfaces
- Foiled and wrapped surfaces
- Printed surfaces
- Laminate surfaces

Surface-QI can be installed at the end of a surface treatment line (wrapping, lacquering, printing) or in a separate inspection unit before packaging.



Customer benefits

Automatic inspection gives you higher quality and lower cost.

- Replace manual inspection
- Early warning when there are systematic lacquer defects
- Keep your product quality on a known and even level
- Lower cost for scrap and customer rejects
- Increased capacity in your production line

Surface

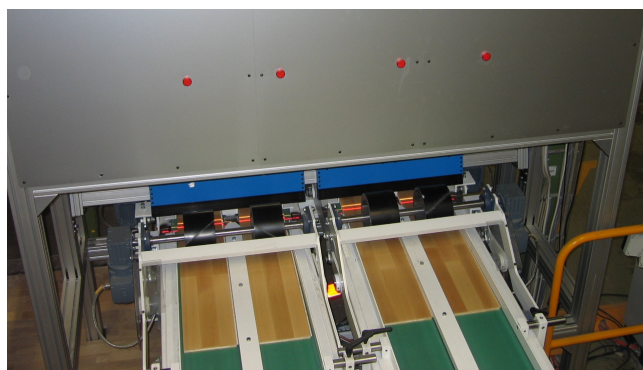
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Surface-QI

Clear Lacquer

Surface-QI clear lacquer is designed for inspection of glossy and semi glossy surfaces. Surface defects like scratches, dents, bubbles, dirt, drops, cracks, lacquer defects and handling damages are all detected. Topography, gloss and color defects will be detected and classified by defect type which can be used for optimization of the production process.

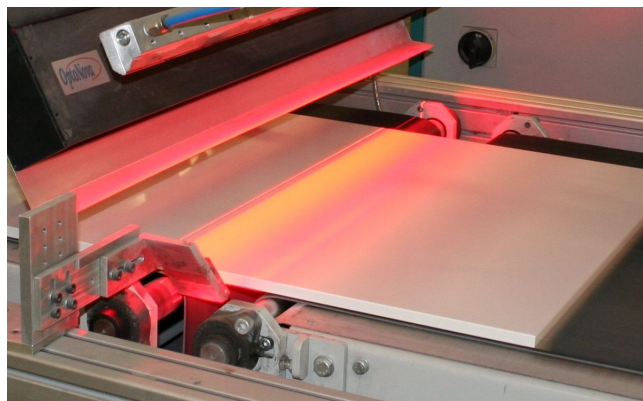


Tarkett AB

Surface-QI

Pigment Lacquer

Surface-QI pigment lacquer is intended for pigment lacquered surfaces and will inspect for scratches, dents, bubbles, dirt, drops, orange peel, lacquer and print defects and handling damages. It is also possible to inspect profiled doors and panels. Surface-QI can correctly classify if a defect panel should be reworked or should be scrapped. It is also possible to combine surface and edge inspection in the same system.

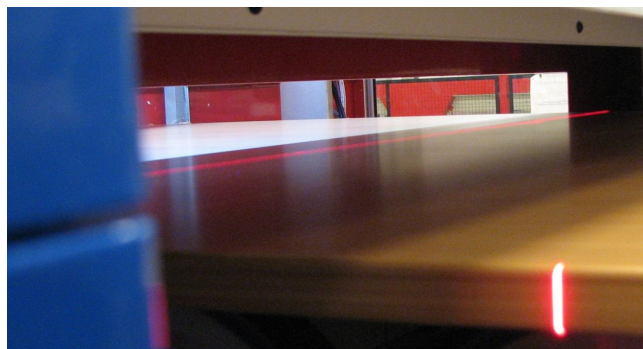


Swedwood Älmhult AB

Surface-QI

Foil

Surface-QI foil is intended for foil wrapped surfaces and will inspect for wrinkles, ripped foil, particles under foil, holes, color, missing foil, glue spills and drops. The sensor and inspection is optimized for recording the micro topography of the foiled surface. It is often combined with the foil version of our Edge-QI system thereby allowing a complete inspection of your foiled furniture panels.



Swedwood Hultsfred AB

EDGE-QI • HOLE-QI • **SURFACE-QI** • VENEER-QI • PROFILE-QI • QI STATION

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