



IQ Surface quality check

IQ Dimensional control

IQ Distortion control

LineScanner

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- IQ** Surface quality check
- IQ** Dimensional control
- IQ** Distortion control



Flexibility and simplicity are principles of the LineScanner. We use the same concept for vertical as well as for horizontal installation. Installable at any position, because of the slim construction. Only the scan bridge will be installed. Almost no space required, especially not behind a production line.

The LineScanner offers modularity. That means, each 200mm long sensor module is overlapping attached to the required scan height or scan width.

The result is a simple construction, which is flexible and extremely easy to maintain

horizontal oder vertical



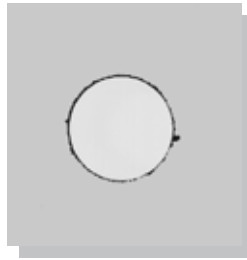
LineScanner - One for all

We configure and install the individual LineScanner for your needs and requirements

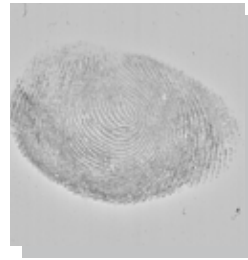
1 check for optical defects



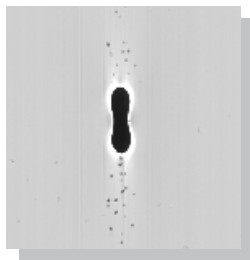
Scratches



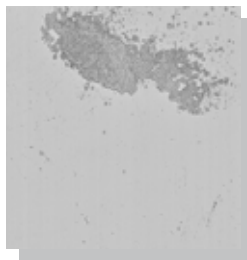
Chips



Finger prints



Inclusions

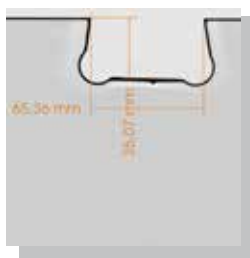


Coating voids



Logo position and quality

2 check for dimensional defects



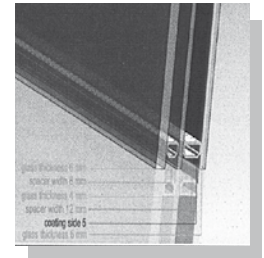
General dimensions



Drill hole position



Frame offset and georgian bars



Unit built-up

3 check for distortions



Leading and trailing edge distortion



Roller Waves

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Archive based statistics



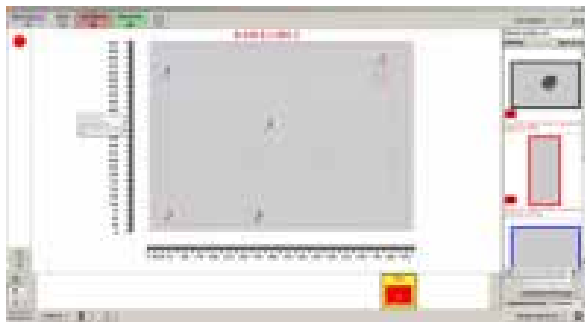
Each data of glass processed by the LineScanner will be stored in an archive.

All information are thus available over months away.

Production control and statistics for the error category are of course included in this module.

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LineScanner Functionality



The control monitor shows the factual images, defects and further test results.

A history offers the opportunity to position within the production sequence at any time.

Functions such as

- Ruler to illustration of size
- Blending in of order data
- Size and category of a defect
- Variable quality settings
- Definitions of zones
- and much more ...

offers the LineScanner in it's standard range.

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Technical details

- resolution up to 400dpi = 0,0635
- maximum glass thickness 100mm
- maximum transportation speed 48m/min
- parallell light source - preventing shadows
- very little space required U-profile 70mm
- approximate dimensions 600x600mm
- quality evaluable within the usual cycle times
- modul based concept (adjustable to every size)
- comparison of customer order and actual size
- glass thickness and coating sensor
- display quality information directly on glass