

Intelligent Vision Inspection System (Defects)

A complete system that identifies and displays the precise location and size of defects from as small as 0.25 mm² in any flat surface.

- ▣ Insulated Glass
- ▣ Coated panels
- ▣ Steel
- ▣ Plastic
- ▣ Timber

Saving and benefits

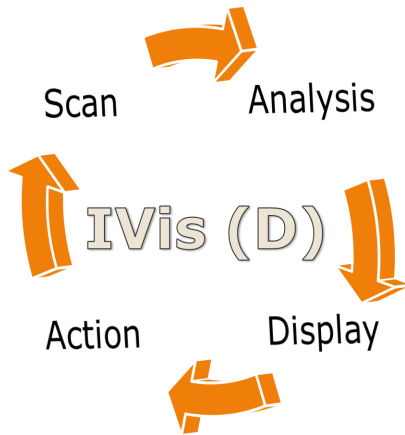
- ▣ Return on investment; less than 12 months
- ▣ Consistent Quality standards
- ▣ Increased production speeds, improve quality
- ▣ Reallocation of staff time
- ▣ No time consuming search for defects
- ▣ Simple to operate
- ▣ Reduction in customer return

Customer Benefits

- ▣ Four independently configurable zones for each customer
- ▣ Individual configurable defect setting
- ▣ Quality standard to customer requirements

SATISFIED CUSTOMER





Scan:- each panel is inspected at production speed

Analyse:- the panel for defects & dynamically identifies size, shape and material type

Visualise:- and displays the location and details of each defect to the operator

Action:- by operator to correct and remove the defect **PANEL SAVED.**

System Performance

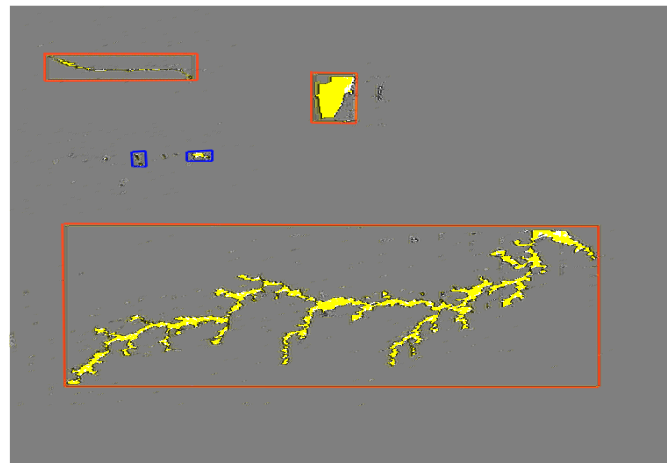
- ▣ Compact System design 400 x 800 mm footprint
- ▣ Easily integrated on new and existing product lines
- ▣ Low maintenance requirements
- ▣ Reliability performance

Specification	
Delivery Speed	10 - 63 meter/min
Continuous Panel inspection size	7.0 x 4.0 meter
System inspection resolution	0.25mm2 (typically)
Measurement accuracy	0.1 % or +- 2 mm which ever the greater
Power supply	110 240 volt @ 6A
Unit Size and Weight	0.4 X 0.8 M Foot print Vertical and horizontal
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Statistic & Management Information

- ▣ Production **reports** provided hourly, daily and weekly
- ▣ Management and customer tractability record from stored data
- ▣ Single component traceability
- ▣ Inspection results archived available to external network
- ▣ Archives use SQL/ Access relational database

Example of faults displayed on screen



We would be happy to discuss your individual requirements and answer any questions you may have