

INSPECTION SYSTEMS · MANCHESTER, SINCE 1989

Machine vision for the glass industry.

Founded in Manchester, 1989. One partner across cut-plate inspection, mirror inspection, thickness and stress measurement, and interleavant powder control.

1989

Founded in Manchester,
United Kingdom

150+

Systems installed
worldwide

04

Product lines across the
process

15+

Years supporting
leading producers

WE ARE INSPECTION SYSTEMS

A technology-led business with a strong, customer-led design philosophy.

Founded in 1989 from a small technology company in Manchester, United Kingdom, we have grown into one of the leading machine vision providers for the glass industry.

Our expertise in float glass inspection gave us the platform to expand our portfolio of products, ranging from cut plate inspection and powder measurement to thickness and mirror glass inspection.

From the float line to the finished plate.

A family of inspection systems covering the points along glass production where data matters most — at the cold end, the cut, the silvering point, and the packing line.

EAGLE-I

Cut plate vision system

Multi-channel state-of-the-art cameras see all the standard defects, with greater accuracy, discrimination and categorisation.

TG

Cold end thickness & stress

A solid mechanical design for consistent, reliable thickness and stress measurement — with the software focused on producing actionable data.

AG

Mirror glass inspection

Typically located at the silvering point, providing immediate feedback on silver-layer defects such as pin holes.

IQ

Interleavant powder measurement

Consistent, reliable, safe measurement of interleavant powder coverage at frequent intervals — particles, area, mass and density.

CUT PLATE VISION

Eagle-I cut plate vision system.

Multi-channel, state-of-the-art cameras see all the standard defects, with greater accuracy, discrimination and categorisation.

- ✓ Multi-channel, state-of-the-art cameras
- ✓ Sees all the standard defects
- ✓ Greater accuracy and discrimination
- ✓ Richer defect categorisation

[Read the Eagle-I brochure →](#)



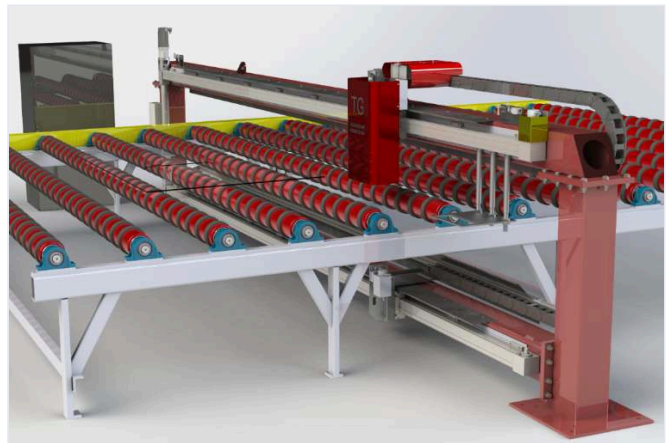
THICKNESS & STRESS

TG cold end thickness gauge and stress.

Cross-ribbon profiles, glass-edge position reporting, temperature measurement and an optional stress gauge — with software focused on producing the data needed to make the correct decisions.

- ✓ 24/7 operation with repeatable measurements
- ✓ Optimise thickness and maximise glass yield
- ✓ Validate tonnage to stay within carbon thresholds
- ✓ Real-time total, thermal and permanent stress

[Read the TG brochure →](#)



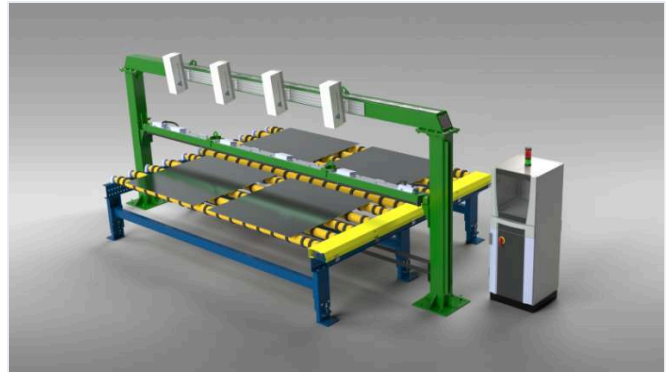
MIRROR GLASS

AG mirror glass inspection system.

Our mirror inspection system is typically located at the silvering point itself, where the silver layer is laid down. Defects such as pin holes are flagged in real time, before they reach finishing or shipment.

- ✓ Located at the silvering point
- ✓ Immediate feedback on silver-layer defects
- ✓ Pin holes detected in real time
- ✓ For mirror glass production

[Read the AG brochure →](#)



INTERLEAVANT POWDER

IQ interleavant powder measurement system.

IQ measures particle counts and types, area coverage, total mass and density — at frequent intervals, with full integration into plant control. The modular design enables closed-loop control of powder applicators.

- ✓ Particles by type (beads or acid)
- ✓ Area coverage by particle type
- ✓ Total mass and density of powder
- ✓ Real-time visual data & statistics

[Read the IQ brochure →](#)



Services & expertise.

01

Industrial web inspection

Our expertise in camera technology, innovative approach to system designs and an engaging software team allows us to deliver high-end solutions to the market. Our experience in the web inspection world allows us to choose the right technology for each application.

02

Glass sector factory simulation

Simulation of the glass factory process is key to its success now and in the future. It enables the customer, OEM and supplier to de-risk their decisions when investing in new lines, factories and equipment, or wanting to increase, expand or consolidate their existing processes.

IN PARTNERSHIP WITH GUARDIAN GLASS

15 years of Eagle-I at the cold end. A thickness gauge added.

Inspection Systems has worked with Guardian Glass for over 15 years delivering their mainstay product Eagle-I at the cold end of production.

Recently, with the next generation of products, Guardian required an inspection system for measuring both the thickness and stress of their float glass. They turned to Inspection Systems as our Thickness Gauge provides the data required to make the correct decisions.

"Leading the way in machine vision for the glass industry, since 1989."

INSPECTION SYSTEMS

GET IN TOUCH

Talk to us about how we can help
with all your glass inspection needs.

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