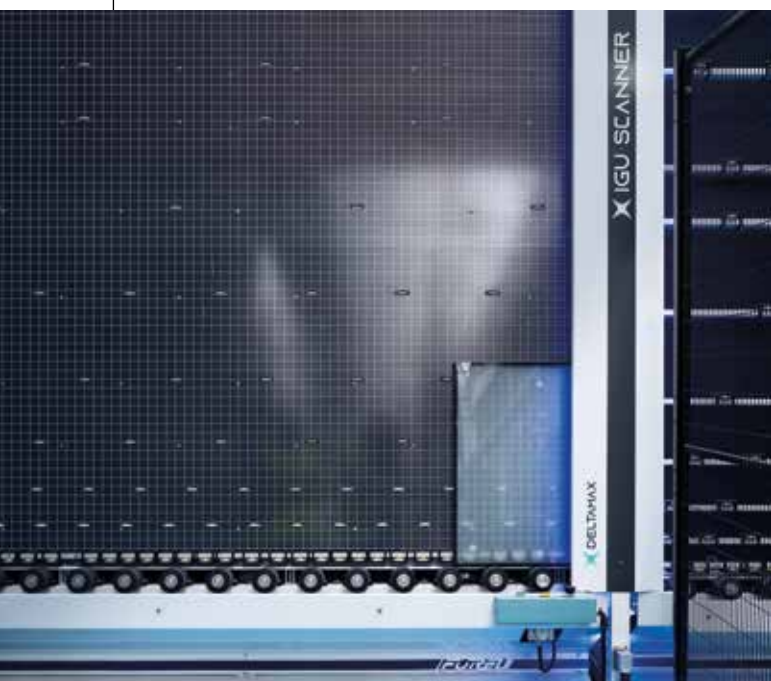


# Game-changing inspection technology, courtesy of DELTAMAX

An Italian company specializing in flat glass inspection since 2010, DELTAMAX will be introducing its IGU scanner at Vitrum 2025. This advanced system ensures quality control throughout glazing production, detecting defects like misalignments and bubbles - all while integrating easily into production lines as it supports customizable, cloud-based data reporting.



Founded back in 1989 as a spin-off from a research centre located in Trento, Italy, Deltamax initially had a different name - SIPAR. In 1992, the company installed the first inspection system in a float glass production line for Pilkington at its Porto Marghera plant. Ever since 2010, Deltamax has been focusing its activity on quality control of flat glass, with several solutions with an extremely attractive price-performance ratio and a worldwide footprint - all thanks to its reliable sales network.

## DELTA INFORMATICA GROUP

The company has been part of Delta Informatica since 2018 - a group which, with more than 160 employees, boasts an aggregate turnover of more than EUR 20M. It forms a solid base - ensuring the growth path that characterizes Deltamax, which is ever more present in flat glass processing companies. In modern production processes, considering the increasingly narrow margins applied to individual products, attention to quality is an increasingly topical and indispensable issue to guarantee the delivery of defect-free

items to the end customer, avoiding complaints or even worse replacements.

## THE IGU SCANNER

To satisfy all its customers in the best possible way, Deltamax has developed different solutions that can be used at any point in the production process. Among these, its 'end-of-line' control is hard to miss - something that definitely tops the wish list of any manufacturer in any sector. At the upcoming Vitrum exhibition, Deltamax will be officially presenting its IGU scanner - a system that's capable of controlling the quality of the finished glazing unit, before or after sealing. While retaining the distinctive features of all Deltamax solutions, from compactness to positioning behind the line (in order to avoid getting in the way of the operators' work), to modularity to ease of installation (which generally asks no changes to the production line), this new system allows precise and punctual checks - identifying non-conformities in the transparent area or in the application of the channel.

- Defect control in the transparent area: IGU scanner's performance in detecting

non-conformities in the transparent area of glass is comparable to that of its 'parent', namely the GlassInspector. As such, it can detect the presence of bubbles, inclusions and scratches, as well as the presence of foreign bodies or butyl residue on each of the glass units.

- Spacer inspection: in this case IGU scanner allows for discrepancy detection during spacer installation - regardless of spacer type. That means out-of-square-ness or misalignments in the positioning along the sides can be detected, as can non-conformities in the corners.

The IGU scanner has already been installed by several customers:

- in double-glazing production lines: installed immediately after the press, which is interfaced with the line, the system allows non-compliant double-glazing to be stopped before it gets sealed.
- in a dedicated line: Deltamax has also created control islands equipped with a loading/unloading area and washing machine, which allow each insulating glass unit to be checked after sealing.



- Data collected by the system can then be managed by the Production Analyzer software, developed to allow statistical checks and to collect images of defects, which includes automatic reporting of the results of the check - made available to customers with cloud-based solutions too.

## CUSTOMER-CENTRICITY THROUGH INSPECTION PRECISION

Like all the products produced by Deltamax, the IGU scanner allows the company's clients to customize inspection - rendering it more or less restrictive depending upon the customer, product type, etc. The IGU scanner

completes the range of solutions for quality control in IG production lines, which today consists of the GlassInspector (a next generation scanner that checks the most common defects), the innovative Q+ (which guarantees the best price/quality ratio among scanners on the market, with optimum defect detection performance) and OPT, a revolutionary system for detecting defects before cutting the large sheet.



Via Kufstein, 5  
Spini di Gardolo, 38121 Trento  
(TN) - ITALY  
Tel.: +39-0461-042301  
info@deltamax.eu  
[www.deltamax.eu](http://www.deltamax.eu)