

At Vitrum DELTAMAX showcases defect inspection and glass control solutions



In an interview with the editorial team of Glass Technology International at Vitrum this year, DELTAMAX Sales Manager Gianluca Diener underscored the singular importance of ongoing innovative contributions to the industry. Here he sheds light on the exciting technologies his company has developed in recent years.

GTI: Can you describe how things have gone in 2023 as compared with 2022?

Gianluca Diener: The year currently drawing to a close has been, without a doubt, the most financially successful of the two for Deltamax, with rev-

enues expected to exceed EUR 2 M. That's continuing the growth trend disrupted only in 2020 by the pandemic. Compared to 2022, the leap in terms of revenue and provided systems is substantial - marking a significant increase. Consequently, the



GlassInspector

entire company structure is undergoing adjustments - with expansion seen both in technical personnel and beyond.

GTI: Any comments on innovations or the latest technologies Deltamax is currently involved with - or even related 'work in progress' projects?

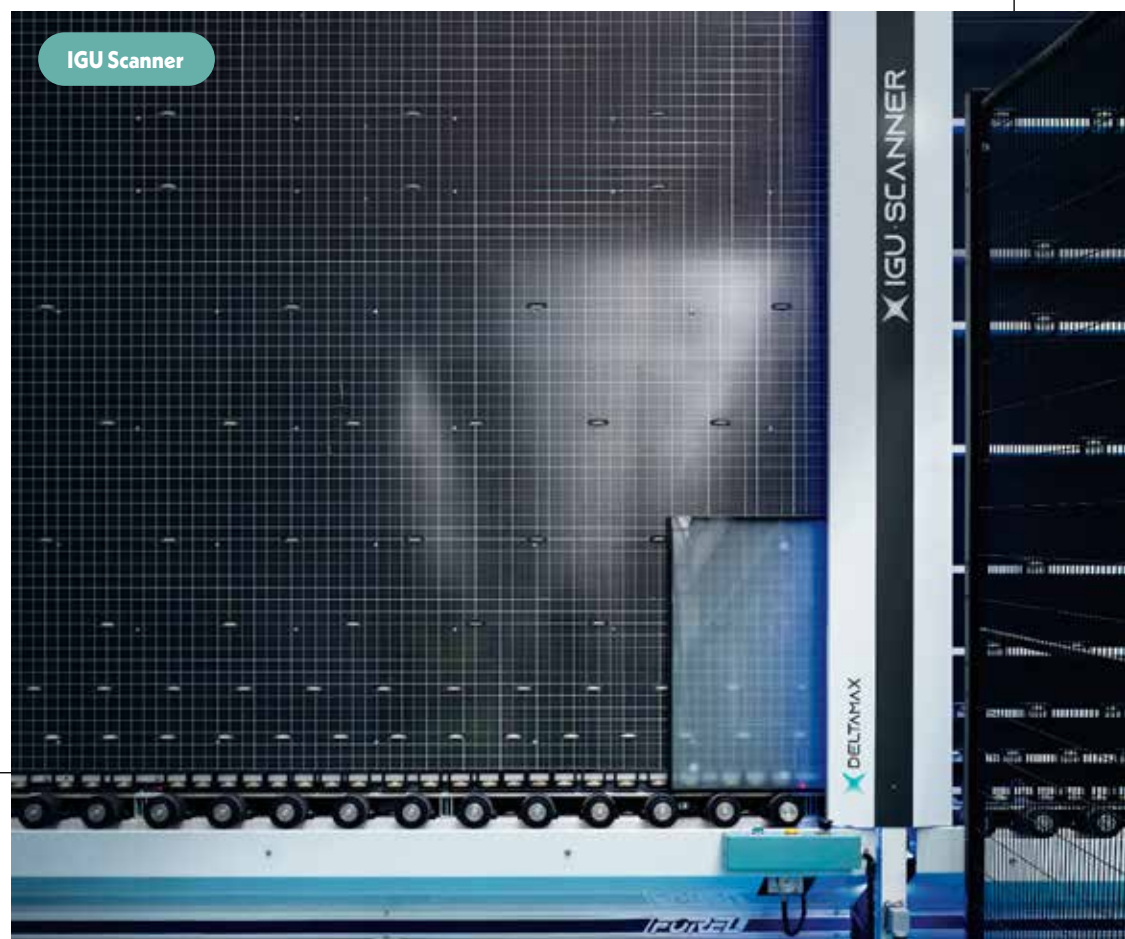
GD: Our latest developments include the OPT system for defect inspection prior to cutting, as well as the development of solutions for glass control in solar/photovoltaic panels. Now patented, the OPT system is set to revolutionize the concept of in-line defect inspection by identifying structural, irreparable defects - such as bubbles- right at the beginning of the production cycle. The innovation has piqued the interest of major players in the flat glass industry - primarily for its ability to provide reliable

inspection even when the glass surface is not washed (owing to the presence of coatings). Equally significant is our entry into the solar/photovoltaic glass control sector, with applications intended for Enel's

Gigafactory currently being constructed in Catania. That's a project we're taking forward in partnership with Bottero, which is the main contractor for this highly important undertaking.

GTI: Going forward, how do you see things panning out for the sector over the years ahead?

GD: Given the extreme challenge in making predictions, even in the short term, the signals we receive



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ABOUT DELTAMAX

Established in 1989 as a spin-off of the current FBK Research Centre in Trento, Deltamax boasts substantial expertise in the development of artificial vision-based solutions for quality control within the industrial sector. Since 2010, the company has primarily focused on the inspection of flat glass - employing cutting-edge technological solutions thanks to continuous investments in Research and Development. Collaborating with Deltamax means becoming part of a global network. The company's solutions have a footprint on five continents. Regardless of location, it offers the experience of a proven partner, coupled with the reliability that distinguishes its customizable systems - ready to become essential tools for businesses that aspire to meet the stringent quality requirements of today's markets. Inherent complexities in the float glass production process result in structural defects in individual sheets - irreparable defects that incur substantial costs due to waste management and customer disputes. As it aims to streamline the entire flat glass transformation process, Deltamax has developed innovative solutions designed to revolutionize the execution of activities in any glassworks. Detecting defects prior to any processing, without the necessity of washing the sheets, offers numerous advantages and a rapid return on investment. Also, integration with cutting system software makes the company's solutions eco-friendly. By optimizing the cutting programme the quantity of discarded glass is significantly reduced, as are energy consumption and machine wear, since they no longer need to process sheets destined for the scrap heap.

from our agents worldwide appear to confirm an intriguing vibrancy within the flat glass processing sector. The use of glass in all manufacturing sectors is steadily and significantly on the rise, as is the application of technology to the product. So it's crucial to continually innovate the production process - ensuring both productivity and quality.

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Result of Forel's decades of experience in IG processing solutions, the "High Tech" IG line was conceived to offer an unrivalled choice of options for the production of insulating glass, for both the residential and the commercial destination, and also for production of IG façade. The "High Tech" IG line is equipped by exclusive devices and systems for processing offset panes, shaped panes and manufacturing double, triple and quadruple IG units, up to 6,000 x 3,300 mm in size weighing up to 400 kg per linear meter (assembled panel), and up to 100 mm in thickness. The automatic sealing robot Art. SR "High Tech" is designed to maximize productivity and reduce waste and downtime, thanks to features such as the no-stop mode and the automatic dosing unit change.



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