

# GlassInspector Evo: a single solution for all quality control needs

The on-going process of innovation guaranteed by this company's research and development team aims to come up with increasingly standardised, yet at the same time high performance solutions for flat glass production and processing.

**G**lassInspector EVO is currently the most efficient answer to flat glass production and processing as well as to the need for quality control, offering a range of checks that include fault detection, dimensional control and inspection of glass shape and screen-printed decorations. The ambitious Deltamax Automazione pro-

gramme that began in 2011 with a research project called Risolvi, aims to identify innovative hardware and software solutions that will increase the precision of checks carried out using GlassInspector. The name EVO is particularly significant in this sense: evolution designed to define a single standard that will, however, be tailored to the customers' needs by relying on a modular structure and specially developed software. The Glasstec Show is the showcase event chosen by this Italian team to present its latest developments in functionality, in other words accurate dimensional control. Quite apart from the format and size of the glass item, the software created allows users to accurately compare the specific design sup-

plied by the customer, guaranteeing the various batches will be within the tolerance limits. Like all the software solutions made by Deltamax Automazione, this too has functions that can be personalised, which means customers can adapt the modules to suit their specific needs while at the same time viewing the results via a rational and intuitive interface. Among the functions offered by GlassInspector Evo is a reverse-engineering function that gives the design in a vector format starting with glass sample acquisition.

This program can be used directly on or off line on dedicated production lines. The system guarantees that any data saved can be elaborated using the new Production Analyser software to obtain statistical summaries, including tables or graphic designs, defect analysis complete with images and customised reports.

## Tailor-made solutions for increased performance

As well as extending the range of functions its system offers, Deltamax Automazione has another important objective: increasing the potential, precision and reliability of its product. This objective has been reached thanks to a unique, new illuminator, which was created in-



## COMPANY PROFILE

Founded in 1989, Deltamax Automazione is celebrating 25 years of activity this year, which only confirms its reputation for professional expertise and experience in the industrial automation and artificial vision sectors. With such a solid base to build on, it is no surprise that this business has grown internationally at an impressive rate, particularly in the fields of flat glass processing and production. Precision and high performance have made the Deltamax range of products a byword in the industry by guaranteeing its customer base solutions tailored to their needs, trained and qualified technical support and constantly upgraded products. The company's research and development team continues to work on the cutting edge at the Deltamax laboratories situated at the company's new facility in Trento, where new techniques for maintaining avant-garde systems are carefully studied to offer functions that are increasingly precise and far ranging.



DELTAMAX AUTOMAZIONE SRL

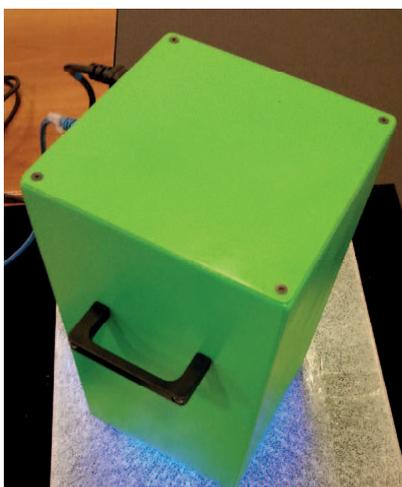
Via Kufstein, 5 – zona industriale Spini di Gardolo 38121 Trento (TN) - Italy

Tel +39 0461.042301; +39 0461.994432

www.deltamaxautomazione.it - info@deltamaxautomazione.it

house and will be used exclusively for GlassInspector systems. Along with the upgraded data acquisition, processing and management software, the new illuminator also allows the user to access two images of the same glass article contemporarily, thus creating a system able to perform functions that would normally require two separate ones: a unique solution of its kind and a small revolution in the world of artificial vision.

It goes without saying that for the price of a single system the customer will obtain a noticeable increase in the precision of defect detection operations including some of the most difficult to identify such as light scratching, coating imperfections, colour fading etc.,



which are then classified into groups within the main categories. The number and range of applications made by Deltamax Automazione has grown over the years and products designed for double-glazing production lines and systems processing glass destined for use in the automotive sector as well as glass for household appliances and for the production of solar panels and photovoltaic systems bear witness to the company's versatility.

### Quality accessories

The Deltamax Automazione project aims to use innovation as a way of achieving maximum standards in every field of inspection and control: many systems destined for very specific functions have been created by following this philosophy and these will be presented in their perfected versions at the Glasstec Show.

Frog: a truly unique solution, Frog is the only portable analysis system on the market for

tempered glass fragmentation. Supplied with special software that automatically saves data and images, as well as generating personalised reports, FROG delivers the results of an inspection carried out on any 5x5cm area chosen by the operator by interfacing directly with the system, at the same time reducing the time required for this operation and eliminating possible errors. Ensuring that industry-wide standards imposed by sector regulations are adhered to has never been so easy or so accessible. Tin Side Detector: compact and easy to install, operators using this Deltamax Automazione tin side detection solution will never need to calibrate their systems or interact with them in any other way. Fitted with luminous indicator lights, the system can also interface with other machines in-line thanks to a digital portal. The system was created in partnership with Helios Italquartz, a company which is also marketing it.