OPT: DELTAMAX's Industry 5.0 solution for cutting lines

Designed to detect defects in unwashed glass plates before cutting, DELTAMAX's OPT boosts productivity by reallocating defects for reuse, reducing cycle time and eliminating the need for washing - all while saving both water and energy. It's little wonder, therefore, that the scanner's seamless integration and proven efficiency have already driven widespread adoption.

Great ideas spark the kind of projects that invariably evolve into solutions. When solving practical problems they effectively transform into systems which will then continuously adapt to meet the growing needs of customers. Such is the journey of OPT - a cutting-edge scanner that was specifically developed for quality control of unwashed glass plates. Designed for installation prior to the cutting table, OPT marks the beginning of the transformation process for both jumbo and regular plates. OPT was conceived with the ambitious goal of enhancing the entire production cycle by identifying structural defects -those irreparable flaws- while re-optimizing the cutting plan to allocate these defects to scrap. Here the benefits are as compelling as they are straightforward:

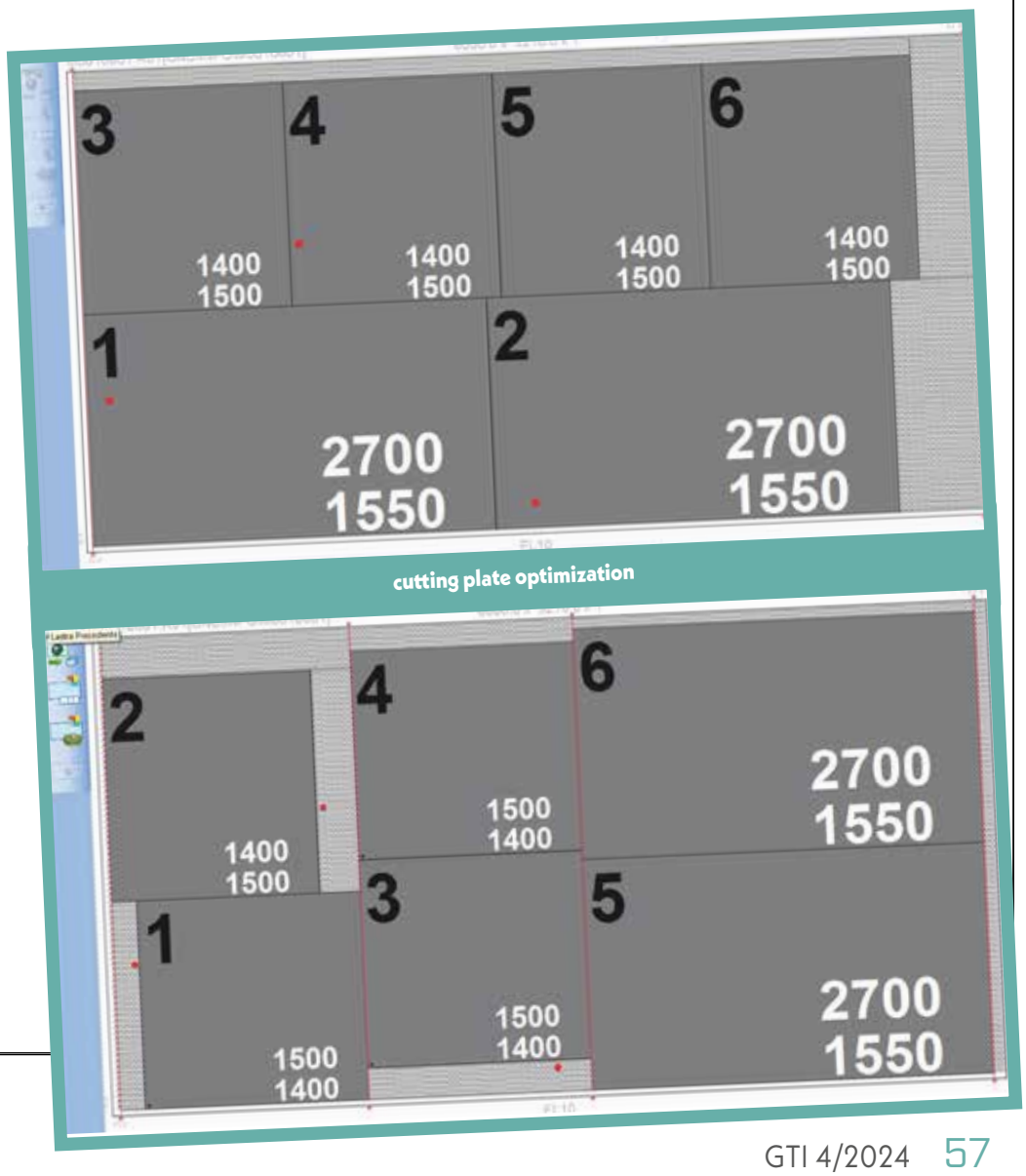
- Low investment: elimination of the need for an expensive and cumbersome washing machine;
- Increased productivity: reduction of the discarded glass area through re-optimization of each sheet;
- Reduced cycle time: an in-line rejection rate decrease, thanks to advanced defect detection.

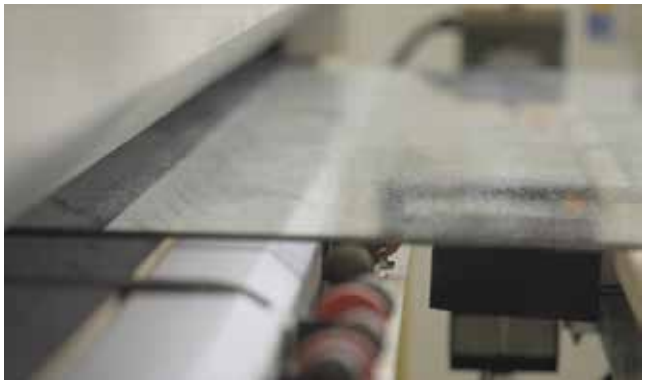
INFECTIOUS POSITIVITY

The positive impact of OPT extends beyond the immediate advantages listed above, aligning with contemporary trends towards reduced environmental impact and sustainable production processes. By excluding non-conforming glass from processing, several sustainability factors are addressed, perfectly embodying the principles of Industry 5.0:

- Water conservation: defective sheets require no washing;
- Energy savings: non-conforming sheets are excluded from the production line;
- Reduced consumables: defective sheets bypass various production processes.

The OPT system is inherently interconnected with the production line, exchanging vital data both as input (details about each plate in transit) and out-





put (a defect map for re-optimization, handled by the cutting table software) - both features that make OPT a quintessential example of what's typically called Industry 4.0 technology.

PATENTED INNOVATION

Indeed Deltamax Automation's solution is so innovative that it has been patented - essentially showcasing the significant results of continuous investment in research and development. Customers have recognized these benefits, which is why many who were initially sceptical, albeit trusting of Deltamax Automazione's transparency, have now equipped all their cutting lines with OPT after their first purchase. This widespread adoption underscores the reliability and effectiveness of the technology developed at Deltamax's Trento facility. Innovation patented in the EU, and now also in the USA.

EASY INSTALLATION

Installing OPT is remarkably straightforward - requiring no modifications to the existing layout or process of the cutting line. Such ease of integration exemplifies how Deltamax Automation's inspection solutions fit seamlessly into established operations, thereby enhancing proven processes - disruption free.

GLASSTEC 2024

Deltamax invites visitors to its booth at this year's upcoming Glasstec trade show for a live OPT demo so they can learn more about the company's comprehensive solutions for detecting flat glass defects.

Deltamax Automazione Srl

DELTAMAX
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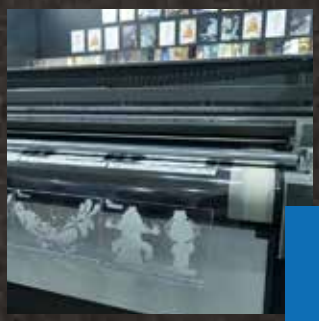

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