

# Enter LAM-BA: the **TUROMAS** answer to balustrade cutting



A visionary cutting solution for laminated glass balustrades that features dual mechanical stops for precise positioning, TUROMAS's LAM-BA system eliminates additional tools, reduces cutting time and includes specialized software to ensure an efficient workflow for complex designs reaching up to 10+10 mm in thickness.



## HOW THE LAM-BA SYSTEM WORKS

The TUROMAS system is composed of two mechanical stops that work together to ensure precise glass positioning. Of these, the first is located on the measuring carriage. It enables positioning and rotation of the glass until it is perfectly squared with the second stop, which is located on the cutting line. Both stops are automatically positioned, adjusting to the largest dimension of the balustrade to utilize the full length of the piece. Such a design eliminates the need for additional tools or elements - reducing the possibility of errors while maximising efficiency. Unlike

other systems, the potential error is limited to the margin of one of the two stops, avoiding additional deviations that might arise with more complex configurations.

## ADVANTAGES OF THE STOP-BASED POSITIONING SYSTEM

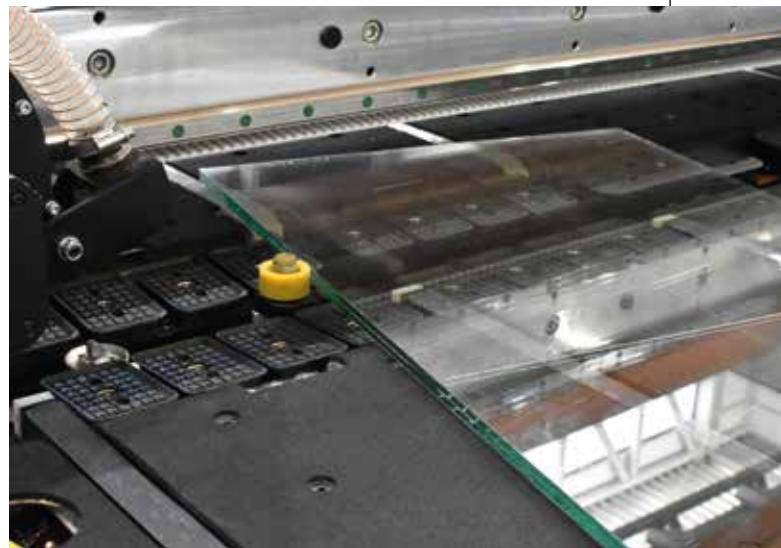
### 1. Process agility

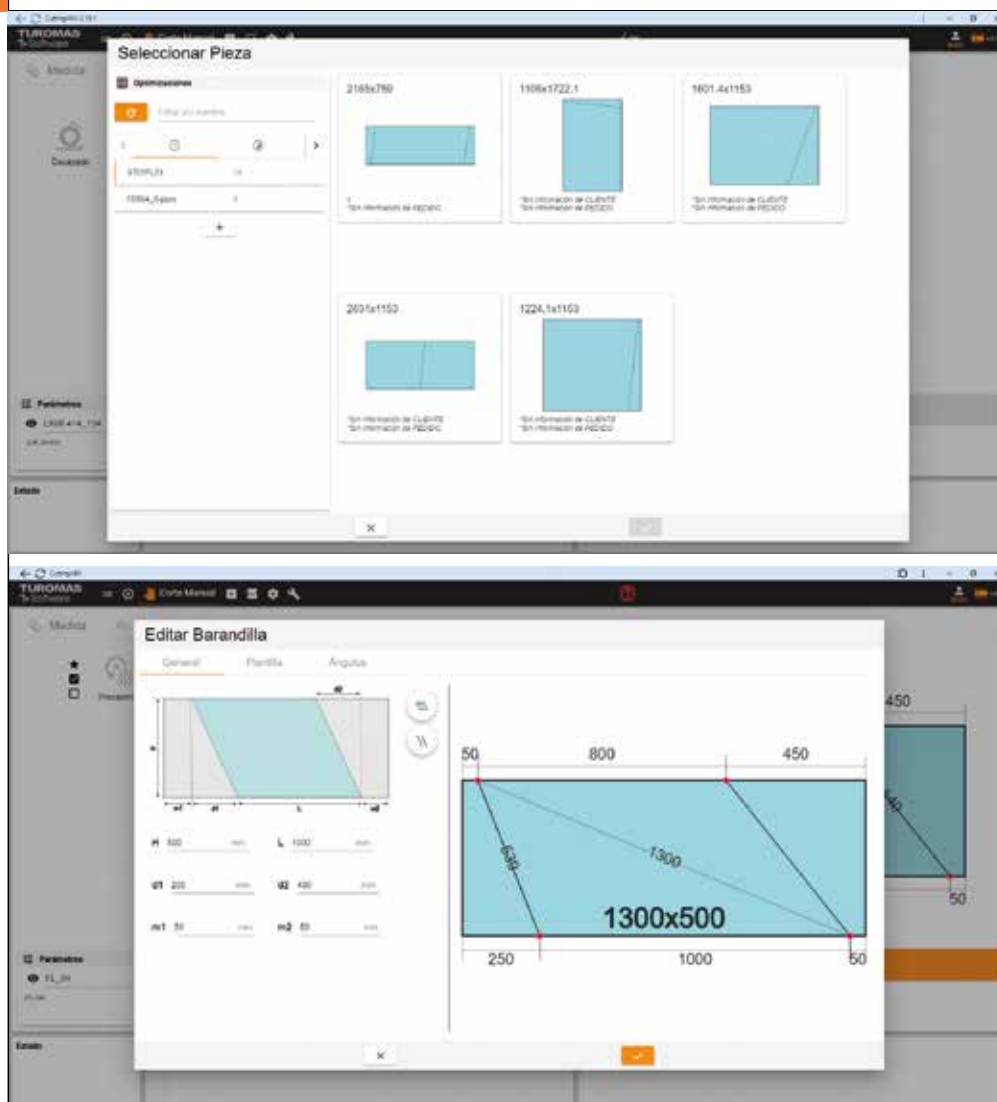
The glass is positioned in a single step. The stops automatically adjust to the required dimensions, allowing the operator to square and rotate the piece in one action. This simplifies the

process and significantly reduces cutting times. Additionally, as no additional tools are needed for positioning, overall efficiency is improved.

### 2. Precision for laminated glass of up to 10+10 mm

The system is designed to meet the requirements of the Technical Building Code (CTE), which regulates the





## MEASUREMENT AND VERIFICATION

When a balustrade is included in the optimisation plan, the programme detects its presence and displays the trajectory along with the necessary instructions, such as rotating the piece 180 degrees. It also allows measurements to be checked at any point of the shape, ensuring a perfect fit.

## BENEFITS FOR THE CONSTRUCTION SECTOR

The implementation of this system offers notable advantages for the construction sector. Production times are significantly reduced thanks to the agility of the process, and the cuts meet the highest quality standards. This ensures that the resulting pieces are ideal for demanding projects. The stop-based positioning system represents a practical and efficient solution for cutting balustrades in laminated safety glass. By this approach, it becomes an indispensable tool for optimising cutting processes and ensuring quality results in every project.

characteristics of laminated safety glass in construction projects, particularly for balustrades. This system ensures precise scoring, breaking, and separation in glass up to 10+10 mm thick, delivering high-quality results without the need for additional processes.

### 3. Cutting Nested Balustrades

The system also allows for agile and precise cutting of nested balustrades. Thanks to positioning based on the corners of each piece, contiguous cuts can be made

without the need to align shapes in a straight line. This capability provides great versatility for projects requiring complex or customised cuts.

### 4. Specialised Software for Balustrade Cutting

The system includes a software module designed to facilitate the work. This programme allows both the opening of existing optimisations and the creation of new shapes tailored to the specific needs of the project. Available Software Options:

#### ● Open Piece

The software identifies optimisations that include balustrades, allowing the desired shape to be selected and transferred directly to the cutting window.

#### ● Draw Balustrades

This tool enables the design of balustrades using pre-defined parameters, such as the base, the diagonal between points, the length of the sides, and the angles between them. This ensures any design can be quickly and precisely adapted.

**TUROMAS**  
OUR PASSION, YOUR PROGRESS

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