**Foundry Industrial Automation Solutions**
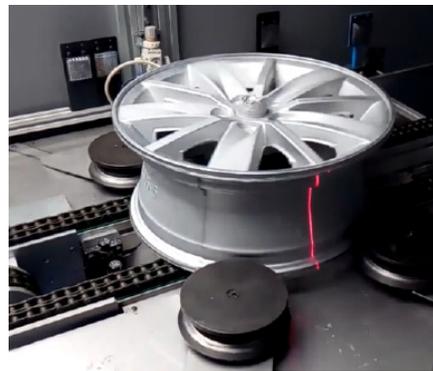
# Engraving cells

Iruña Automation

# Engraving lines

Our engraving solutions not only adapt to a wide range of industrial applications, but can also be combined with other in-house manufactured products. These cabins are designed to be easily integrated into any production line, allowing for quick implementation without the need to modify existing infrastructure. In addition, we offer the possibility of combining multiple cabins within the same line, enabling different stages of the process to be covered or applying various marking methods according to the requirements of each part or batch. This modular configuration is ideal for complex or high-volume production lines, where flexibility and efficiency are essential. Depending on product requirements and the production environment, we apply the most suitable marking method, whether laser, dot peen, inkjet, or other technologies. This flexibility allows us to guarantee efficient, permanent, and high-quality traceability, tailored to the specific needs of each customer and industry.
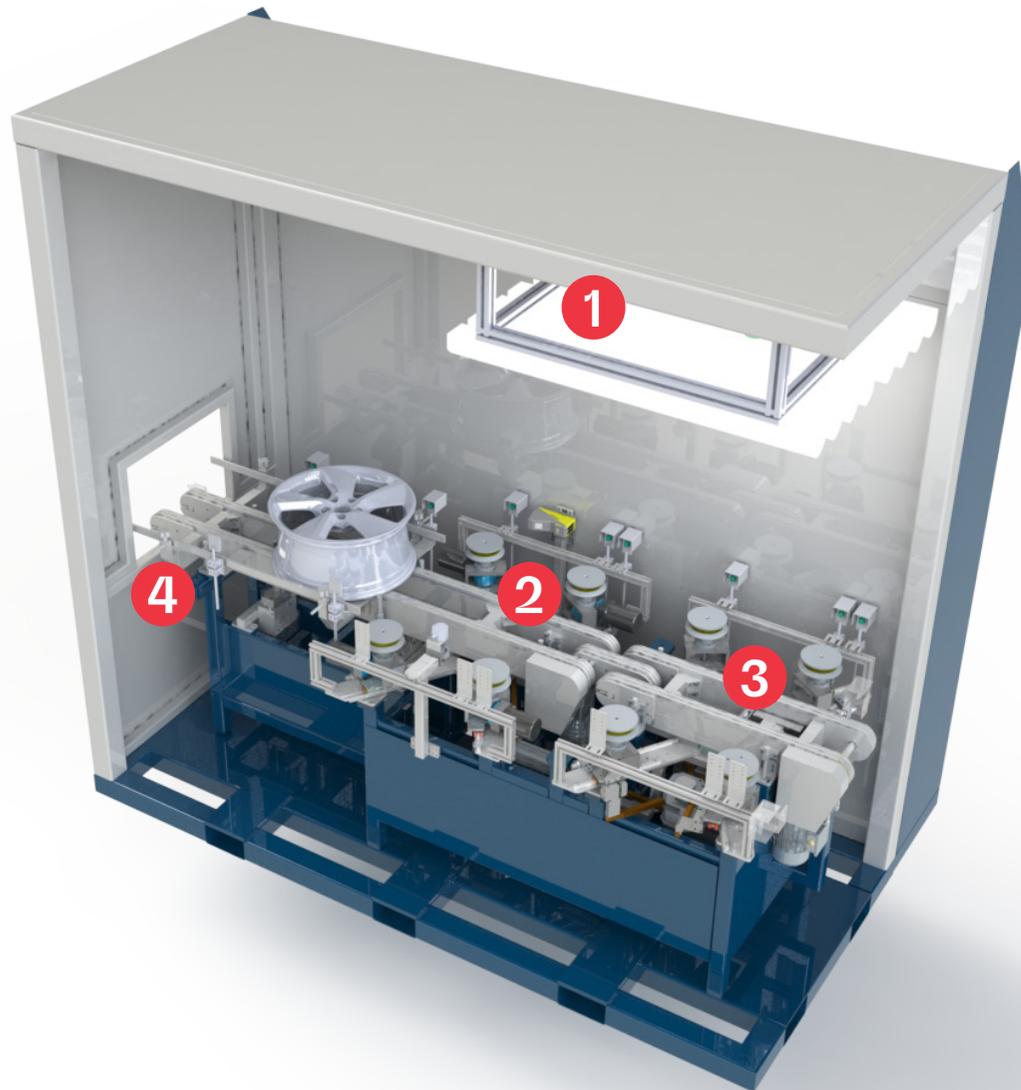
## Information coding

When large volumes of information need to be stored, we offer the option of marking codes such as DataMatrix or QR codes. This type of marking is ideal for including detailed data such as serial numbers, manufacturing dates, batch numbers, internal references, or any other relevant information for product control and traceability.
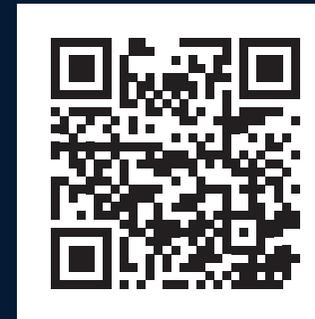
## Marking and validation system

We use advanced marking technologies—such as laser, micro-percussion, or inkjet—that ensure code readability even in demanding industrial environments. This advanced coding capability enables full product traceability throughout the entire supply chain, facilitating automation, quality control, and regulatory compliance in industries where precision is critical. In addition, we perform mark verification using immediate-read devices.

## Traceability software

Software development that enables the presentation of information in predefined formats, tailored to the client's needs. Through an intuitive interface, it is possible to generate queries, reports, and customized outputs, facilitating the analysis of historical data, incident tracking, and decision-making based on real, traceable information. Thanks to this comprehensive solution, not only is the physical traceability of parts ensured, but also their digital traceability, in compliance with the highest standards of quality, auditing, and smart manufacturing (Industry 4.0).

1 Vision station – Reference detection

2 Barcode scanning

3 QR code marking station

4 Code reader device

# Iruña
## Automation

## Contact

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