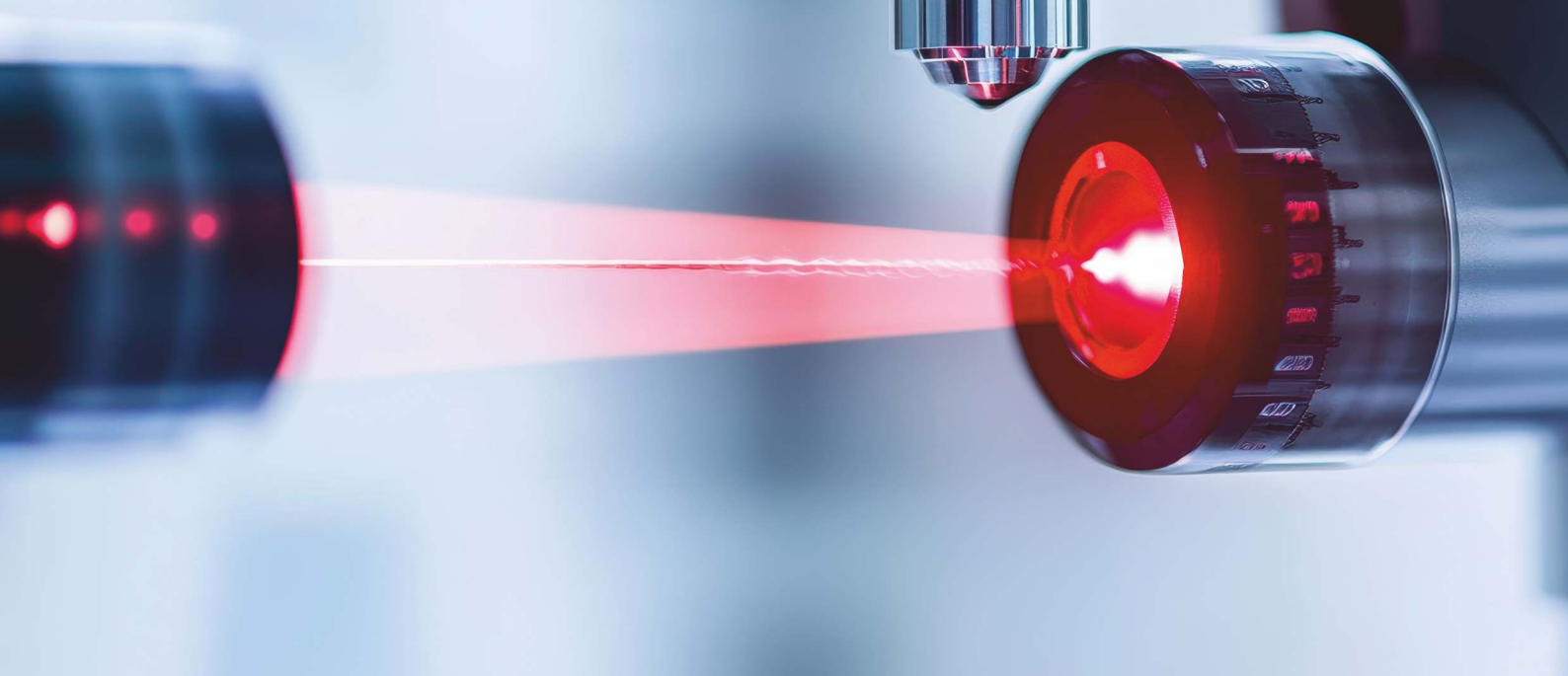




InsAlde Quality
Product dimension control





InsAide

QUALITY

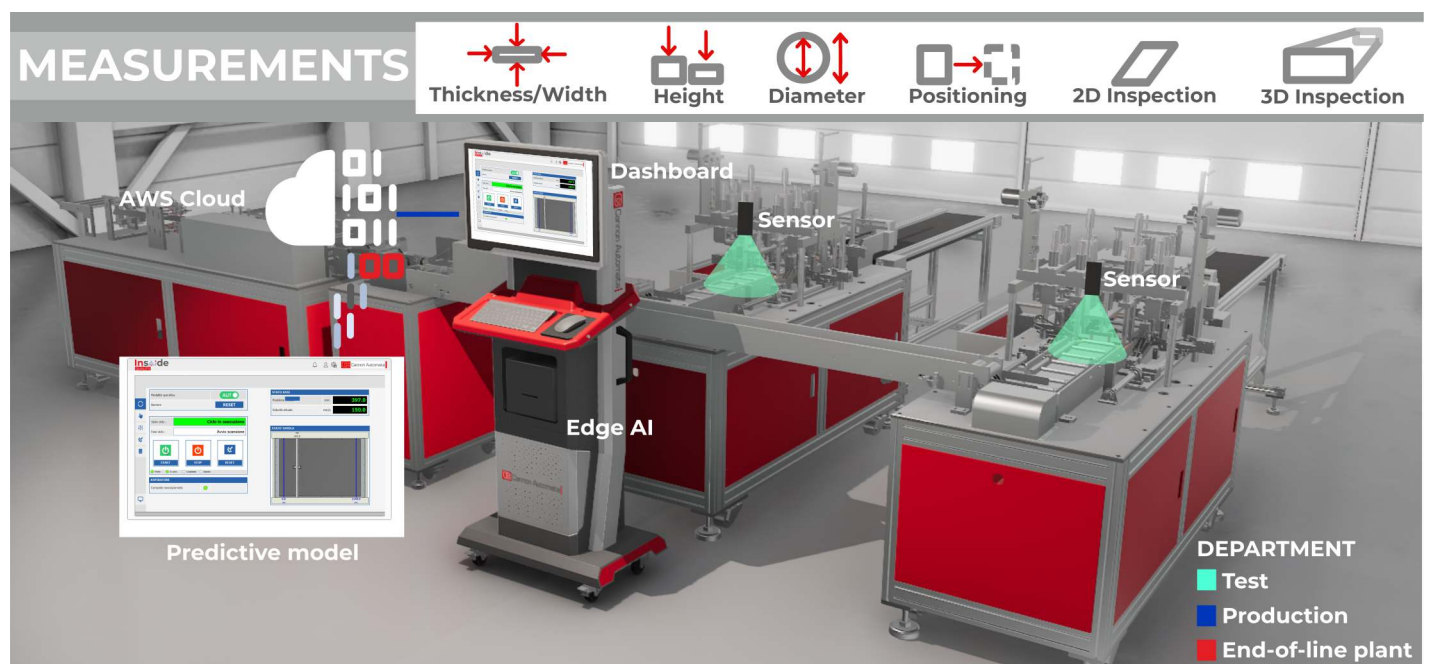
Goal: zero defects

InsAide Quality is our dedicated application for guaranteeing industries maximum product quality and a high-performance production system at each phase, from testing through the end of the line, with an eye on reducing waste and optimizing effort.

Waste and rework are elements that significantly influence process yields, resulting in costly economic losses. With our system, you can mitigate these risks and constantly obtain products with a uniform quality.

Combined with AI, the advanced vision technologies we use identify anomalies to make implementing corrective measures more efficient, guaranteeing high standards for both the product and the process. This solution takes on strategic importance especially when handling complex shapes, where small deviations and irregularities may seriously compromise the final result.

Dimension control for:



A revolutionary approach

Guaranteed accuracy and reliability

Sensors

We use the market's most well-known suppliers for non-contact measurement sensors, high-precision distance sensors and position sensors, supporting clients in selecting and implementing the system best suited to their needs.

Types of sensors provided:

- **2D and 3D laser profilers**
- **Micrometers**
- **Inductive and laser displacement sensors**
- **Contact dimensional sensors**
- **Telecentric technology**

Edge AI

After the data is collected in the field, it is processed on-site by the Edge device installed near the plants. The measurements obtained are processed by our dedicated software and classified in real-time by the algorithm, based on thresholds or decision criteria defined during the training phase.

AWS Cloud

Before becoming operational for the client, our machine-learning-based model is trained and refined on the AWS platform. This optimizes the parameters, with the goal of always making a more accurate analysis. Once ready, it is uploaded to the Edge AI via a license.

Dashboard

Our simple and intuitive dashboard helps the department to know and track product and process status, allowing you to build a complete and unique approach to optimize production and guarantee the highest product quality. The package can be integrated with our MES Quality module.

Why choose InsAlde Quality

- **Guarantees quality compliance with quality standards**
- **Makes control of each product uniform**
- **Increases production performance**
- **Makes measurements more accurate**
- **Reduces process waste**

We are part of the Cannon Group, an international machinery manufacturing holding, which comprises more than 30 companies and branches worldwide.

Dedication to continuous innovation and a solid commitment to reducing the ecological footprint are the drivers of all the Group's technology developments, with a clear focus on energy efficiency, resource consumption reduction, and emissions reduction.

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