

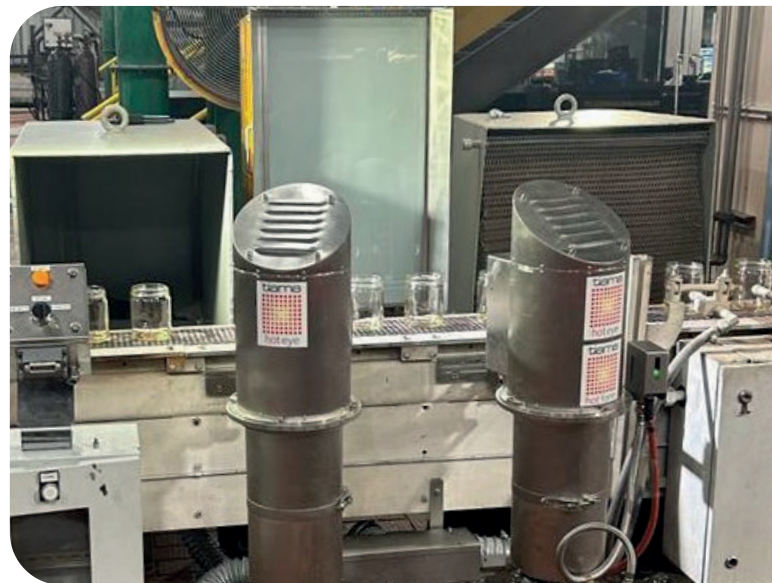
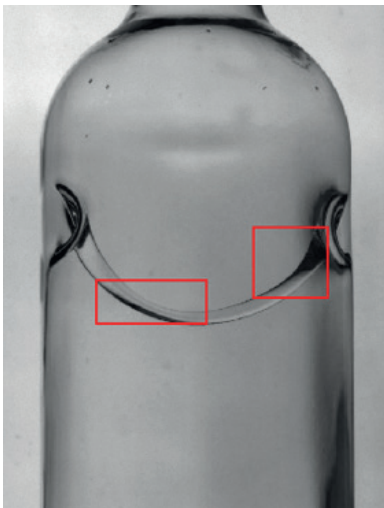


The Tiamo HOT eye uses advanced technology to detect defects and provide dimensional measurements of containers at the Hot End.

Features

- Detection and recognition of defects such as birdswings, wings, and blisters
- Dimensional measurements
- **Tiamo HOT move (option)**
- Rejection of stuck and fallen articles
- The system measures the articles positions upon the conveyor on X and Y axes

Defects detected



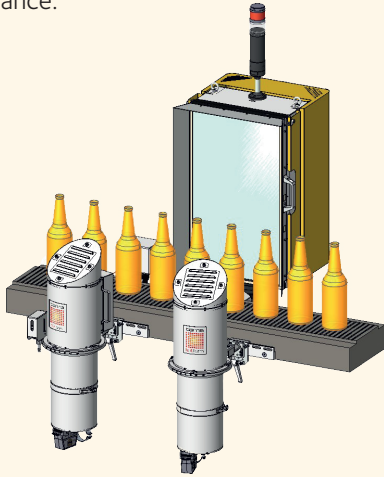
Customers benefits

- **Detection and recognition** of defects at the Hot End
- **Early detection** of dimensional drifts
- **Immediate and targeted actions** can be taken onto the process
- **Process management assistance**
- **Quality improvement**
- **Tiamo service:** benefit from our worldwide presence and our whole range of services

Operating principle

The Tiama HOT eye is located just after the IS machine and before the annealing lehr. The system is synchronized with the IS machine.

The system is equipped with two high definition cameras placed inside two metallic tubes fixed on the conveyor. In front of them, an infrared light source flashes articles on the conveyor. The Tiama HOT eye has been designed to resist to the harsh environment at the Hot End and requires little maintenance.



Installation requirements

Tiama HOT systems electrical cabinet:

(common to the whole Tiama HOT systems range)

Width 600mm

Depth 1 050mm

Height 1 400mm

Water requirements:

For light source cooling

Temperature <30°C

Minimum water flow rate 4l/min

Air requirements:

For tubes cooling

Pressure 4 bars

Article dimensions:

- Height: from 20mm to 350mm
- Diameter: from 20mm to 160mm

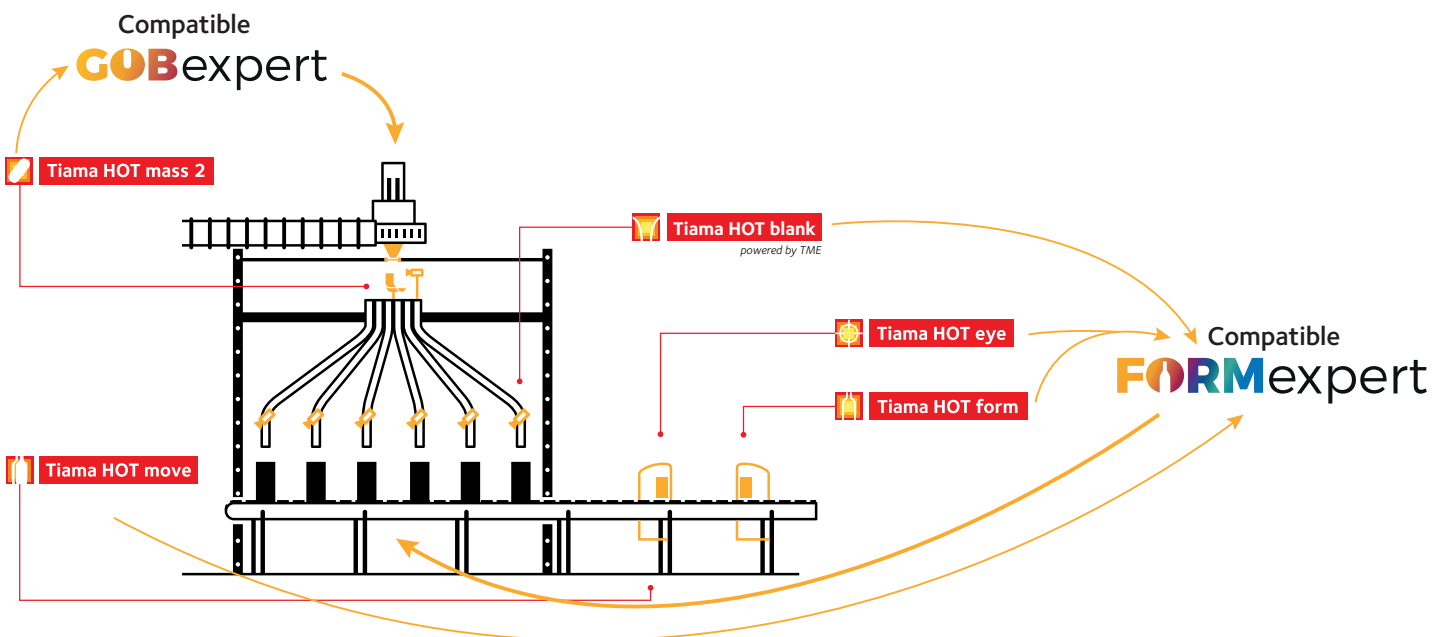
Distance between the tubes:

min 475mm and max 885mm depending on bottle spacing



the Smart Factory concept

The Tiama HOT eye is a monitoring solution to help customers to improve the management of their process and to reach their quality level. The Tiama HOT eye belongs to the Tiama HOT systems range, a complete set of modules which gives key information on the process from the gob to the formed articles. The Tiama HOT eye is also part of the smart factory concept developed by Tiama, the system provides a full range of data which can be used in order to have a global overview of the plant, from the Hot End to the Cold End.



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