TOTAL TRACER
Hot End Laser Engraving System

TOTAL TRACEABILITY FOR EACH GLASS CONTAINER
Tiama offers a new solution:

- A **unique identification** of each individual container for a complete traceability during the whole product life.
- The **Total Tracer**, a hot-end laser engraving system, marks a code (datamatrix or alphanumerical) on each container. This code can be read by an **automatic reader** installed in the cold-end or by a **hand-held decoder** allowing complete traceability.

The system is positioned on the high speed conveyor between the IS machine and the annealing lehr.

Thanks to a simple connection with the IS machine and an automatic synchronization, the CO₂ Laser engraves the necessary information on the product.

- Company code, glass plant code and line code.
- Time data: day, hour, minute, second.
- Section and cavity number.
- And more…

**Main advantages of the Total Tracer**

- **Total traceability** with a unique identification for each individual glass container.
- **Datamatrix** - a redundant, secure and resistant encoded marking, allowing very high decoding performances.
- **Decoding solutions**: the automatic reader positioned in the cold-end and a hand-held decoder for individual container identification during the whole product life.
- **CE certified** ready-to-use system, safe for users.
- Possibility to engrave containers that do not accept traditional mould codes.
- Bottle position has no impact on the engraving quality.
- Less mould changes, increased service life.
- Costs reduction: reduce resorting & recalls, precise setting of rejection window, higher reading rate, anti-counterfeit tracking tool…

**A real know-how**

- A compact and precise code on the glass surface.
- Marks of high quality without cracks or checks.