

Used CAMES bottle dryer - Year 2001

Machine type:	Various Equipment
Ref:	AT109
Model:	TNN 1
Year:	2001
Speed:	3000 Bottles/hour
Condition:	In Storage
Formats:	1.5 L
Containers:	Glass
Products:	Spumante, Wine (Sparkling)

Technical details

Machine type:	Various Equipment	Safety features:	Yes
Manuals:	Yes		

Description

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Technical Specifications & Performance Data

This pre-owned bottle drying tunnel is engineered to remove surface moisture from containers before downstream operations. Manufactured by CAMES, model TNN 1, it provides consistent air-blown drying to stabilize labels and packaging quality across a wide range of beverage production lines. Its continuous tunnel configuration supports steady throughput and uniform drying performance suitable for high-demand industrial packaging environments.

- **Manufacturer:** CAMES
- **Model:** TNN 1
- **Year:** 2001
- **Machine type:** Drying Tunnel (air-blowing)
- **Primary function:** Bottle surface drying prior to labeling and packaging
- **Container compatibility:** Designed for PET and Glass bottle handling
- **Operating principle:** Directed airflow across bottle surfaces in a continuous tunnel
- **Integration:** Inline installation on conveyors between rinsing/filling and labeling

Advanced Automation & Control Systems

The CAMES TNN 1 supports stable and repeatable drying through controlled airflow within the tunnel section. Typical integration includes line start/stop synchronization, safety interlocks with upstream and downstream equipment, and straightforward operator controls for airflow adjustments. The tunnel concept minimizes manual intervention, helping maintain consistent bottle dryness that is critical for pressure-sensitive or glue-applied labels.

Production Line Integration Capabilities

Built for inline operation, this drying tunnel integrates seamlessly with conveyors and standard bottling layouts. It fits naturally between rinsing/filling and labeling stations, ensuring bottles are properly conditioned for high-quality labeling and subsequent packaging. The CAMES TNN 1 accommodates multiple bottle sizes and shapes commonly used in beverage production, supporting flexible format changes with mechanical adjustments and change parts as required by the line.

Machine Condition & Maintenance History

This is a second hand drying tunnel from 2001, suitable for integration into a used bottling line. Its straightforward, robust design favors routine maintenance and predictable operation in industrial environments. As with all pre-owned bottling equipment, maintenance schedules and line-specific service records can be aligned with the receiving plant's preventive maintenance plans.

Operational Performance & Versatility

The CAMES TNN 1 improves downstream quality by ensuring reliable bottle dryness prior to label application. Consistent drying reduces label defects, enhances packaging appearance, and supports efficient line speeds. Its air-blowing tunnel architecture works across a wide range of beverage production scenarios and container materials, making it a versatile choice for industrial packaging facilities that manage diverse bottle formats and product portfolios.

Installation Requirements & Site Preparation

Installation involves positioning the tunnel over an existing conveyor section with adequate straight runs upstream and downstream for smooth bottle flow. Site preparation typically includes providing the appropriate electrical power for the blower systems, verifying conveyor alignment, and integrating the tunnel controls with line stop/start logic. Clear access for routine cleaning and maintenance is recommended to sustain long-term performance.

Safety Standards & Compliance Certification

The tunnel is designed for integration with standard bottling line safety practices, including fixed guards, access covers, and emergency stop circuits incorporated into the line's safety architecture. Operator protections and interlocks help prevent accidental contact with moving components and airflow plenums. Its industrial-grade build supports hygienic and safe operation within beverage production environments.