

Used Isobaric PET Complete Bottling Line for Water CSD 18000 bph 2L

Machine type:	Complete Bottling Line
Ref:	LC574
Year:	2000
Speed:	18000 Bottles/hour
Condition:	Ready For Operation
Formats:	2 L
Containers:	PET
Products:	Soft Drinks, Water (Sparkling), Water (Still)

Technical details

Fill type:	Volumetric	Isobaric:	Yes
Safety features:	Yes	Manuals:	No

Description

Technical Specifications & Performance Data

This used bottling line is a complete isobaric PET solution engineered for high-volume beverage production of still water, sparkling water, and carbonated soft drinks. Built around robust Krones and Simonazzi process equipment with a Sidel SBO14 S2 blow molder, it offers dependable industrial packaging performance with consistent product quality.

- **Line type:** Used isobaric PET complete bottling line (second hand)
- **Nominal speed:** up to 18,000 bottles/hour (configured for 2.0 L PET; format-dependent)
- **Bottle formats:** 0.10 L and 2.0 L; additional formats possible with change parts
- **Container type:** PET (air-conveyed handling)
- **Product range:** Water (still and sparkling), CSD
- **Core technology:** Isobaric rinsing/filling/capping monoblock with downstream labeling and end-of-line packaging
- **Line composition:** Approx. 14 integrated machines including blow molder, air conveyors, rinser, isobaric filler, capper, labeler, packer/shrink wrapper, palletizer, stretch wrapper, inspection and coding modules
- **Main manufacturers:** Krones, Simonazzi; blow molder: Sidel SBO14 S2
- **Years:** Main line 2000; blow molder 1999
- **Condition:** Ready for operation; safety features included

Advanced Automation & Control Systems

Centralized PLC/HMI control coordinates blow molding, rinsing, isobaric filling, capping, labeling, and end-of-line functions. Recipe management supports format and product changeovers, with synchronized conveyors and VFD-driven motors to maintain constant flow at high speed. Line accumulation and defective-bottle rejection are integrated to minimize downtime and scrap.

- **Automation level:** Fully integrated, recipe-based operation
- **Operator interface:** Intuitive HMI with alarm diagnostics and production reporting
- **Electrical:** Industrial 3-phase supply (typical 400–460 V, 50/60 Hz; to be confirmed on inspection)
- **Safety:** Interlocked guards, emergency stop network, and category-rated safety circuits

Production Line Integration Capabilities

Designed for seamless integration across the packaging hall, the line interfaces upstream with preform handling and syrup room/premix systems and downstream with packers, palletizers, and warehouse logistics. Fast format change procedures and clearly defined change parts enable efficient switching between bottle sizes and product SKUs.

- Compatible with standard beverage production utilities (CIP, CO₂, chilled water)
- Interfaces available for inspection systems, laser/inkjet coding, and vision verification
- Modular conveyors allow adaptation to plant layouts and future upgrades

Machine Condition & Maintenance History

This second hand complete bottling line is in ready-for-operation condition with safety protections installed. The equipment has been maintained in a production environment and inspected for functional performance. Maintenance records, documentation, and layout drawings can be made available for review during a technical visit.

Operational Performance & Versatility

Isobaric technology ensures accurate filling of carbonated and non-carbonated beverages with stable foam control and consistent fill heights. Optimized PET handling via air conveyors and servo-synchronized transfers reduces scuffing and deformation risk at high speed. While engineered for PET, certain downstream packaging modules are commonly used across PET, glass, and aluminum operations; any conversion beyond PET would require an engineering assessment and appropriate change parts.

- Primary applications: still and sparkling water, carbonated soft drinks
- Rinsing, isobaric filling, capping, and labeling aligned for high-speed PET formats
- End-of-line configured for shrink or tray-based industrial packaging and palletizing

Installation Requirements & Site Preparation

Site preparation should consider straight runs for air conveyors, adequate accumulation zones, and service access around the monoblock and end-of-line. A detailed floor plan and utility matrix are recommended prior to installation.

- **Utilities (typical):** Electrical 3-ph; compressed air (plant air) and high-pressure air for blow molding; process CO₂ for isobaric/CSD; chilled water/glycol for blow molder and premix; potable process water; CIP supply/return; hygienic drains

- **Environment:** Clean, temperature-controlled bottling area with food-grade surfaces
- **Integration:** Network connectivity for production data, coders, and inspection systems

Safety Standards & Compliance Certification

The line is equipped with fixed and interlocked guarding, emergency stops, and validated safety logic to protect operators during rinsing, filling, capping, labeling, and palletizing. Product-contact parts are in food-grade materials with hygienic design to support sanitation protocols and CIP.

- Mechanical guards, light curtains where applicable, and lockout/tagout provisions
- Hygienic design for beverage production, supporting high sanitation standards
- Compliance with contemporary industrial safety practices and risk assessment methodology