

Used Thermoforming Packing water cup line - 11500 BPH

Machine type:	Complete Bottling Line
Ref:	LC623
Model:	TR-ALP 10
Year:	2017
Speed:	12000 Bottles/hour
Condition:	Ready For Operation
Containers:	PET
Products:	Water (Sparkling), Water (Still)

Technical details

Fill type:	Weight	Safety features:	Yes
Manuals:	No	Weight:	2500 kg
Power:	25 kW	Voltage:	380 V
Frequency:	50 Hz	Ampere:	40 A

Description

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Technical Specifications & Performance Data

This used bottling line is a complete cup filling and packaging solution engineered for beverage production in water applications. The centerpiece is the TR-ALP 10 cup form-fill-seal machine, designed to thermoform, fill, seal, and cut PET cups with high efficiency. With a 5x2 format (10 cavities per cycle) and a working capacity of 17–20 cycles/min, the system achieves up to 12,000 cups/hour, ideal for second hand industrial packaging lines seeking reliable output. The integrated end-of-line equipment includes a robot cartoner, a case erector, a case sealer, and conveyors for smooth downstream handling.

- **Production speed:** up to 12,000 cups/hour (10,200–12,000 cups/hour typical)
- **Cycle rate:** 17–20 cycles/min
- **Cavity configuration:** 5x2 (10 cavities per cycle)
- **Punch size:** 71 x 71 mm
- **Supported cup formats:** 100 ml and 200 ml

- **Base material:** PET film, 500–700 micron
- **Lid materials:** Aluminum 40 µm or 12 µm / APET + 12 µm / HSL heat-sealable, peelable
- **Product contact parts:** Stainless steel AISI 316
- **Maximum film width:** 390 mm (base), 375 mm (upper)
- **Reel diameters:** lower 800 mm, upper 300 mm
- **Main machine weight:** approx. 2,500 kg
- **Case sealer model:** GEM F470
- **Case erector model:** F2000

Advanced Automation & Control Systems

The line features robust automation for consistent cup forming, accurate dosing, and reliable sealing. The TR-ALP 10 employs a time-controlled gravimetric dosing system with 10 control valves for uniform fill volumes. Electrical architecture is industrial-grade with clear protection ratings and safety circuitry.

- **Power supply:** 3 x 380 V AC
- **Installed power:** 25 kW
- **Current:** 40 A
- **Frequency:** 50 Hz
- **Control voltage:** 24 V DC
- **Dosing system:** time-controlled gravimetric, 10 valves
- **Filling temperature:** 15–25 °C
- **Safety hardware:** integrated emergency and safety switching (industrial components)

Production Line Integration Capabilities

Engineered for seamless industrial packaging, the line integrates cup production with end-of-line case handling. A vacuum pick-and-place robot cartoner manages multiple cup sizes, with packing recipes for both 100 ml and 200 ml formats. Automatic case erecting, sealing, and three conveyors enable inline or modular operation in diverse layouts.

- **End-of-line:** robot cartoner, case erector F2000, case sealer GEM F470, conveyors
- **Packing configuration:** 30 cups/carton (200 ml: 2 layers 15x2; 100 ml: 3 layers)
- **Format flexibility:** 100 ml and 200 ml tooling sets
- **Containers:** PET cups; secondary packaging in cartons

Machine Condition & Maintenance History

This second hand used bottling line is presented in working order and ready for operation. Built with stainless steel product contact parts and CE-marked downstream equipment, it offers dependable performance for beverage production with minimal commissioning time when installed to specification.

- **Status:** ready for operation

- **Build year (key equipment):** 2017
- **Compliance:** CE-marked case handling equipment

Operational Performance & Versatility

Optimized for water in PET cups, the TR-ALP 10 ensures repeatable filling accuracy and secure sealing across supported materials, including aluminum and APET-based lids. The 10-cavity tooling and controlled cycle timing deliver stable throughput, while the end-of-line system supports reliable case presentation for logistics.

- **Product types:** Water
- **Lid compatibility:** Aluminum, APET+foil, HSL peelable
- **Quality-by-design:** AISI 316 contact parts, precise dosing control
- **Use cases:** beverage production, cup water packaging, industrial packaging operations

Installation Requirements & Site Preparation

Utilities and environmental parameters are specified for consistent forming, filling, and sealing. Compressed air supply, cooling water, and a dust-free, climate-controlled room are recommended to maintain line performance and material stability.

- **Electrical:** 3 x 380 V AC, 50 Hz, approx. 25 kW
- **Compressed air:** 3000 L/min at minimum 8 bar (clean, dry)
- **Cooling water:** internal secondary circuit inlet 12–16 °C, max 3 bar; approx. 200 L/h (~10,000 kcal/h)
- **Environment:** max 35 °C, max 70% RH, dust-free, climate-controlled

Safety Standards & Compliance Certification

Designed for food and beverage operations, the line aligns with hygiene and safety expectations. Stainless steel product contact surfaces support sanitation protocols, and CE-marked end-of-line machinery includes standard protections for operators and equipment.

- **Safety compliance:** CE-marked case erector and sealer
- **Operator protection:** safety switching and guarded operations
- **Hygiene:** AISI 316 stainless steel on product contact parts