Via Incisa 1, 37022
Fumane VR, Italy
info@ublsrl.com
VAT: IT02702580214

Used AVE filling line for 30000 BPH for spirits - Year 2002

Machine type:	Complete Bottling Line
Ref:	LC698
Year:	2002
Speed:	30000 Bottles/hour
Condition:	In Production
Formats:	50 ml
Containers:	Glass, PET
Products:	Alcohol, Spirits

Technical details

Safety features:	Yes	Manuals:	No
Power:	4 kW	Voltage:	480 V
Frequency:	60 Hz	Ampere:	102 A

Description

Used AVE monoblock 1-75-24 filling line 30000 BPH - Year 2002

Technical Specifications & Performance Data

This used bottling line is designed for high-speed handling, filling, capping, inspection and secondary packaging of PET and glass bottles. The declared maximum line speed is **500 bpm**, while individual equipment is rated up to 900 bpm in bottle handling sections and 800 bpm through the filling, capping and inspection stages.

- **Declared maximum line speed:** 500 bpm
- Container handling: PET and glass bottles
- Formats: Mignon 50ml
- Filling monoblock: AVE Monoblock 1/75/24 with 75 valves, rated at 800 bpm
- Primary capping equipment includes Zalkin and Fowler cappers
- Secondary packaging includes shrink wrapping, bundle labeling, case forming, glue application, checkweighing and case turning
- Machine years represented in the line range from 1984 to 2020

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Advanced Automation & Control Systems

The line combines dedicated bottle handling, cap handling, filling, closure inspection and reject systems to support controlled beverage production. Inspection equipment includes a Heuft Basic BA-R20 unit for bottle-cap and low/high fill-level inspection, followed by a Heuft pusher rejection unit.

Available electrical data includes a Lanfranchi bottle unscrambler rated at 400 V, 60 Hz and 4 kW. The Tekkra shrink wrapper is rated at 480 V, 60 Hz, 102 A and 3-phase power. The Pearson case former is rated at 460 V, 60 Hz, 3-phase power, 3 KVA and 15 A. The Thermo Scientific Versa checkweigher operates on 120 VAC, 50/60 Hz, single-phase power.

Production Line Integration Capabilities

The complete bottling line is arranged for bottle preparation, filling, capping, inspection and downstream industrial packaging. Bottle unscrambling, dumping and merging equipment supports PET and glass bottle flow, while cap elevators, cap conveyors and cap sorters provide closure handling upstream of the capping stations.

Machine type	Manufacturer / model	Year
Various Equipment	Dumpers Unlimited Bottle Unloader	2017
Various Equipment	Lanfranchi L4.SRM.24.58 Bottle Unscrambler	2003
Various Equipment	Hartness Bottle Dumper	2004
Various Equipment	Lanfranchi Merger	2018
Various Equipment	Perrier MFL. 60 / MFG 60 Cleaner	1984
Filling Monoblock	AVE Monoblock 1/75/24	2002
Capping Machine	Zalkin Type 81 TCF	2001
Capping Machine	Fowler CA-8 / 360	2005
Inspector	Heuft Basic BA-R20	2002
Inspector	Heuft HBM110006 MN 1.12	2012
Various Equipment	Keenline Mod 717 SS Accumulation Table	2018
Various Equipment	Arrowhead Bottle Diverter	2018
Shrink Wrapper	Tekkra T-5130-60	2017
Labeling Machine	Videojet VJ9550	2019
Labeling Machine	Videojet VJ9550	2020

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Case Erector	Pearson T1205-02	1998
Various Equipment	Nordson PROBlue 10 Hot Melt Glue System	2008
Inspector	Thermo Ramsey Versa Checkweigher	2016
Various Equipment	Arrowhead ARB Case Turner	2018

The line can support integrated bottle flow through filling, capping and inspection, then route finished bottles toward shrink wrapping and case-packing operations. The 1:2 bottle diverter is specified for full PET or glass bottles.

Machine Condition & Maintenance History

This second hand complete bottling line comprises equipment manufactured between 1984 and 2020. The documentation identifies the individual machines, their principal capacities and selected electrical nameplate details. The line should be assessed as an integrated system during installation planning, with particular attention to synchronization between the 500 bpm line target and the stated ratings of each individual station.

Operational Performance & Versatility

Suitable for beverage production applications using PET and glass bottles, this used bottling line combines bottle handling equipment with a 75-valve filling monoblock, multiple capping machines, closure handling equipment and bottle inspection systems. The AVE filling monoblock is rated at 800 bpm, while the Heuft inspection and rejection equipment is also rated at 800 bpm.

Downstream industrial packaging equipment includes a Tekkra shrink wrapper rated at 66 ppm, two Videojet bundle labeling units rated at 40 cpm each, a Pearson case former rated from 12.5 to 25 cpm, a Nordson hot melt glue system rated at 40 cpm, a Thermo Ramsey Versa checkweigher rated at 40 cpm and an Arrowhead case turner rated at 25 cpm.

Installation Requirements & Site Preparation

Installation requires coordinated electrical services matching the individual machine ratings, including 400 V, 460 V and 480 V three-phase supplies for identified equipment, as well as 120 VAC single-phase supply for the checkweigher. The checkweigher nameplate also specifies compressed air up to 120 PSI.

Site preparation should allow for bottle infeed, cap feeding, filling and capping, bottle inspection, accumulation, product diversion and secondary packaging conveyors. Mechanical alignment, electrical integration and throughput balancing are important for reliable operation of a complete bottling and industrial packaging line.

Safety Standards & Compliance Certification

The line includes automated bottle inspection and reject functions to remove bottles with cap and fill-level defects. The Lanfranchi bottle unscrambler data plate displays CE marking. Equipment of this type should be commissioned with appropriate guards, interlocks, emergency-stop circuits and lockout procedures in place.

The bottle dumper includes a designated lockout point, and the documented maximum load capacity is 500 lb. Safety validation should cover each bottle handling, filling, capping, inspection and packaging station before production operation.