



**FILLING
SYSTEMS**



**UNILINE 12-12-1-1 EPV - HYBRID
RINSER- COUNTERPRESSURE FILLER-CAPPER-SEAMER
UP TO 2,400 BPH/CPH**

Get more details online: icfs.to/uniline

UNILINE 12-12-1-1 EPV - HYBRID FILLERBLOCK

RINSER-COUNTERPRESSURE FILLER-CAPPER-SEAMER Up to 2,400 cph

- Automatic filler for speeds to 2,400 cans or bottles per hour
- EPV Electro Pneumatic counterpressure filling valves
- Suitable for filling various carbonated and non-carbonated beverages
- Colour HMI touch screen management
- UNILINE 12-12-1-1 EPV twin lane filling system (6 + 6) combined linear Rinser Counterpressure Filler Capper unit
- Filling turrets electrical height adjustment systems
- Single automatic high volume can ends magazine
- Low TPO (Total Pickup of Oxygen)
- Single head seamer and single head crown capper on a singular revolving turret
- Foaming system prior to capping
- Under can end CO² flushing system

UNILINE 12-12-1-1 EPV - HYBRID:

Italian made quality in an automatic rinser counterpressure filler -seamer/capper with low oxygen pickup that also rinses and fills glass & aluminium bottles as well as aluminium cans.

Integral brushless electronic camme operations

Our innovative newly launched beverage counter-pressure can & bottles rinser/filler/capper/seamer monoblock model: UNILINE 12-12-1-1 EPV HYBRID is a dual lane counter-pressure linear filler.

You can handle different size cans or bottles with this line. It is an extremely flexible & versatile machine. The UNILINE boasts the unique feature where no change parts are required between the rinser and filler section, offering the user a high level of flexibility with very little downtime.

Our UNILINE 12-12-1-1 EPV HYBRID, thanks to the electro-pneumatic control of the filling valves, offer high-speed precision filling and, in the case of beer and cider filling, minimal DO pickup levels.

Cost effective entry-level solution

It represents a cost-effective entry-level solution for automatic counterpressure filling lines for cans & bottles. Suitable for filling beer, wine, kombucha, carbonated & non carbonated drinks, it features our new EPV (Electro Pneumatic Valve) technology.

The EPV valve allows total flexibility in adjusting the filling cycle by adapting the filling and degassing timings to the necessity of each different carbonated drink via user-friendly PLC & colour HMI touch screen control panel.

UNILINE 12-12-1-1 EPV HYBRID consists of a twin lane (6 + 6) Linear Counterpressure rinsing & filling system and a single head Capping Turret suitable for handling various format can ends..

The revolving capping turret allows you to change between can seaming and glass bottle capping rapidly and easily.

Turret height adjustment system to accommodate different height formats.

Method of operation

12 gripper rinser system for both bottles and cans.

Filling operations

CO² flushing from the external CO² pressurised supply tanks

A hermetic seal is then created between the can and counter-pressure filling valve

Flushing of the inside of the cans by creating a flow of virgin CO² to remove the oxygen inside the cans, and at the same time by extracting the oxygen via the snift/degassing valve

Pressurising the cans a second time with CO² from the header tank on board the unit and balancing of the pressures between the can and the header tank

Counter-pressure filling is then performed

Once filling is complete, there is a stabilising pause to let the product settle inside the cans which aids in preventing foaming

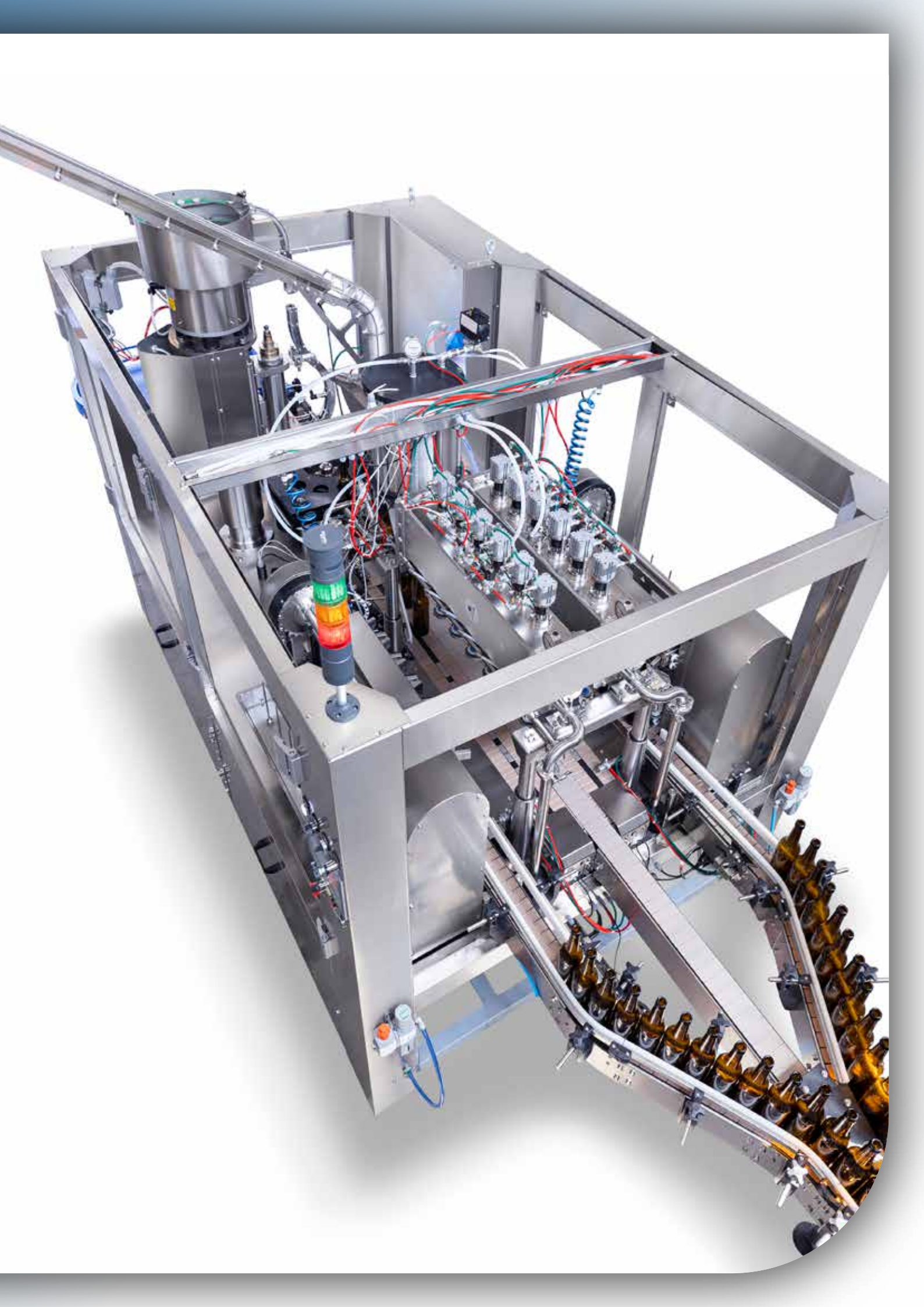
Degassing / sniffting brings the can / bottle back to atmospheric pressure.

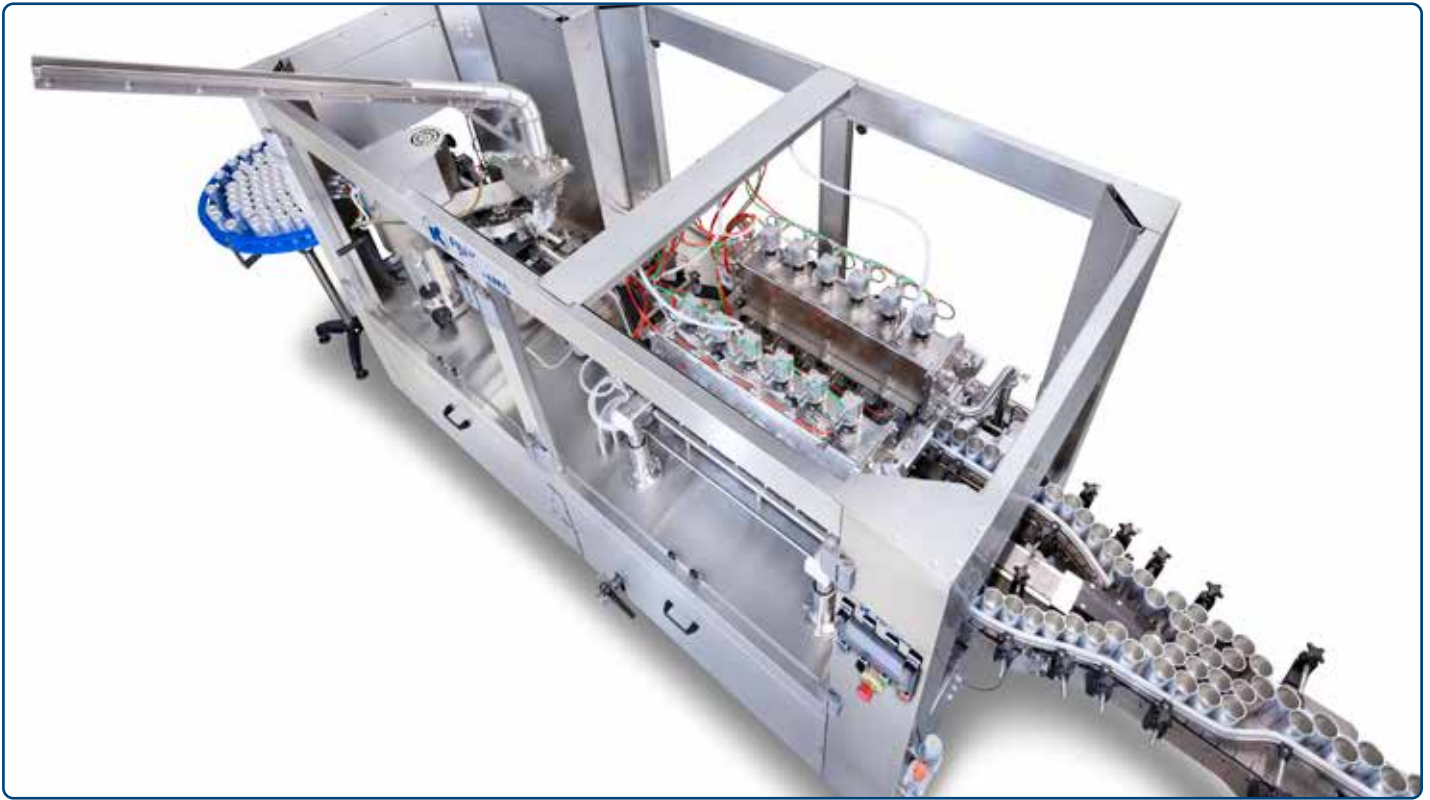
Characteristics of the filler

- Reliable calculation of the fill level using short tube fill level technology
- Low-oxygen filling thanks to CO² flushing
- Closed CIP circuit
- Hygienic design
- Electro-pneumatically controlled filling valve functions for maximum flexibility, which is managed by the operator on the main control panel.
- Able to handle various size can/bottle formats
- Able to handle various size can ends 200, 202, 300 with change parts
- Twin lane header tanks independently operating allows one filling lane to be operating while the other is stopped for maintenance. Great contingency in case of fill valve failure to allow production to keep moving.
- ***NEW* No change parts are required on the rinser and filler section. The only change part required is on the capping turret section**



Outfeed of UNILINE 12-12-1-1 EPV HYBRID





Specifications

Hugely improved design with many new and enhanced features including:

- Faster filling cycle up to 2,400 cph
- Higher quality of CO2 flushing for oxygen removal
- Low Oxygen TPO (Total Pickup of Oxygen)
- User friendly colour HMI touch screen allows total control of cycles of the machine.
- Total control of cycles of machine through interactive touch screen
- Easy visibility and access from all sides via transparent opening doors for easy maintenance
- Flexibility to fill various sizes of cans/bottles



Product to be filled: Beer, cider, CSDs, kombucha, wine, water, cold coffee

Type of container: Aluminium cans or bottles, glass bottles

Rinser Grippers: 12

Filling valves: 12

Capping turret: 1

Filling system: Electro-pneumatic Counter-Pressure Valves

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