

## BEER FILLER / CAPPER – ATMOSPHERIC

COSTRAL atmospheric rotary filler-capper, model COMET 3000 NG. Designed for beer, this machine reaches an output of 3,000 bottles/hour (b/h) in 33 cl format, and 1,600 b/h in 75 cl.

It is equipped with :

- 14 tapping valves.
- 1 capping head (26 mm crown cap).
- 2 sets of sizes (33 cl and 75 cl).

### TECHNICAL DETAILS

Brand/Manufacturer	COSTRAL
Model	COMET 3000 NG
Filling valves	14
Capping heads	1 (for 26 mm crown cap)
Maximum output (33 cl)	3,000 b/h
Output (75 cl)	1,600 b/h
Size Sets	2 (33 cl & 75 cl)

## EMPTY BOTTLE INSPECTOR – HEUFT – 24.000 BPH

HEUFT empty bottle inspector, built in 2013. It is capable of inspecting up to 24,000 bottles per hour (bph) for the 33 cl APO format.

The machine performs a complete inspection:

- Shape defects: too high or too wide
- Wall: inside and outside 1x
- Collar
- Bottle bottom and a
- Residual liquids: double-checking

Non-compliant bottles are ejected by three strategically placed ejectors (one at the infeed, two at the outfeed).

### TECHNICAL DETAILS

Brand/Manufacturer	HEUFT
Year of Construction	2013
Maximum output	Up to 24,000 bph (x 33 cl APO)
Number of ejectors	3

## KRONES RETURNABLE BOTTLING 24,000 BPH

### KRONES Returnable glass bottling line

#### 24,000 bph - For beer & CSD

#### Including flash-pasteurizer

- Depalletizer
- Decrater model Kettner Blitzpac
- Case washer
- Bottle washer model LAVATEC KES - Single end with 22 rows
- Empty Bottle Inspector (EBI) type LINATRONIC
- Filling block type MECAFILL with 66 filling valves & 11 crowning heads
- Full Bottle Inspector (FBI)
- Labeler model TOPMODUL 3 stations with servo-motors & cameras for orientation
- Label laser printer
- Label inspection type CHECKMAT
- Crater model Kettner Blitzpac
- Palletizer & Pallet stretch wrapper
- Flash-pasteurization unit, including :
  - Tubular warmer
  - GEA plate heat exchanger model NT80 M BC-25
  - Buffer tank of 68 hl (5 bar)
- CIP unit for flash-pasteurizer & filler

## GLASS LINE - 40,000 BPH

Complete bottling line for non-returnable glass (beer), built by SIDEL in 2003, with a maximum capacity of 40,000 bottles per hour (bph) in 25 cl format. The line is structured sequentially with major equipment:

- Filling/Capping: Tribloc SIDEL Eurotronica LP (Rinser, Filler, Capper) and NSM capsule loader.
- Processing: PAMA CLD 50/144 double-deck tunnel pasteurizer.
- Inspection/Packaging: Krones Topmodule 407 labeller, Krones Checkmat 707 inspector and coding systems.
- End of Line: ETT carton erector (2022), FANUC Robokompi case packer and LINEAR palletizer.

#### TECHNICAL DETAILS

Main Brand / Year	SIDEL (2003)
Nominal capacity (25 cl)	40,000 bph
Nominal capacity (33 cl)	35,000 bph

Nominal capacity (50 cl)	30,000 bph
Depalletizer	Sweep off
Tribloc	SIDEL Eurotronica LP (Rinser, Filler, Capper)
Capping / Filling	Capsule loader NSM
Cleaning (CIP)	Autosan
Level control / Filling	Checkmat Spectrum TX (Filling height)
Pasteurization	PAMA CLD 50/144 tunnel (double-decker)
Labeller	Krones Topmodule Type 407
Full Bottle Inspection	Krones Checkmat 707 / Krones Tap tone 500
Neck coding	Mundi Technologie Mundiscan UP2000 HE
Case erector	ETT CF60-2 (2022) (12 or 24 bottles)
Case packer	FANUC Robokompi
Carton Closing Machine	Bortolin MARA HM
Palletizer	LINEAR
Pallet wrapping	MSK
Pallet Labeller	LOGOPAK LOGOMATIK 920 IIPF
Other controls	Inkjet printer DOMINO A, Weigher PRISMA 10D3, Carton inspection IMAGE VKK 500
Secondary Packaging	Basket former H&B TLA, Basket inserter H&B TLE
Packaging sizes	4x6x25 cl, 2x12x25 cl, 24x25 cl, 24x30 cl, 4x6x33 cl, 6x4x33 cl, 2x12x33 cl, 24x33 cl, 20x50 cl

## GLASS BOTTLE RINSER – 8000 BPH

KOSMEstand-alone glass bottle rinser, model CK24 ST.UE, built in 2010. It is designed to operate on lines of up to 8,000 bottles per hour (bph).

It handles a wide range of formats (25 cl, 33 cl, 75 cl) and includes the following key features:

- Number of clamps: 24.
- Direction: clockwise (left-right).
- Water treatment: Sterile filtration included.
- Automation: Siemens S7-200.
- Adjustment: Electric height adjustment.

### TECHNICAL DETAILS :

Brand/Builder	KOSME
Model	CK24 ST.UE



Year of Construction	2010
Maximum speed	Up to 8000 bph
Direction	Clockwise (left-right)
Managed Formats	25 cl APO, 33 cl APO, 33 cl Longneck, 75 cl Belgian Beer, 75 cl Champagne
Power	2 kW
Dimensions	1700 mm x 1700 mm (stand alone)
Number of clamps	24 clamps

## KRONES WASHER – 14,000 BPH

KRONES Lavatec 19-row bottle washer. Its versatility enables it to handle formats ranging from 18 cl to 75 cl. The machine benefited from a major upgrade in 2016, incorporating a new touch screen and modernized automation.

### TECHNICAL DETAILS

Brand/Manufacturer	KRONES
Model	Lavatec
Number of rows	19 rows
Estimated output	14,000 bph
Managed Formats	18 cl to 75 cl
Operating hours	17,000 hours
Last update	2016