

**pkb** EKO

FILLER - CAPPER  
PERFUMES, LIQUID COSMETICS, COSMETIC CREAMS  
HAIR-DYE

Filler-Capper for perfumes, liquid cosmetics and cosmetic creams  
Ideal for small runs and frequent changeovers  
Excellent value. Fast delivery.



- Filling capacity 0.5 ml to 500 ml.
- All liquids, viscous and semi-viscous products, cosmetics and perfumes.
- Volumetric or constant level filling, massic flowmeter filling for hair-dye.
- All types of capping.

COSMETICS, TOILETRY AND FRAGRANCE FILLING LINES

## ADVANTAGES

- EKO is a straightforward, standard machine with great cost advantage (costs 50% less) because it is mass-produced.
- EKO is an **extremely versatile** machine for **perfume** (bottles, samples), **liquid cosmetics** (shampoo, conditioner, shower gel, hair-dye, lotion, suntan lotion, toner, foundation, deodorant, roll-on, etc.) and **cosmetic creams** (jars, mascara).
- **Incredibly fast and tool-free changeovers.**
- EKO therefore is ideal for **small runs and frequent changeovers.**
- **Instant adaptability to new packagings.**
- **Independent settings for each filling pump.**
- **All changeparts are interchangeable with the ROBO** (dust remover, filling pumps and nozzles, automatic overflow, pre-crimping heads and centralizers, crimping heads and pliers, press-fit changeparts, screw-cappers, screwing pliers, adjustable pucks, etc.).
- Straightforward, robust, minimum maintenance.
- Small footprint.
- Optimized accessibility (electric cabinet integrated inside the machine frame).
- Stainless steel guards and safety glass.
- Clear, user-friendly machine manual.
- Machine certified to CE standards by an independent accredited organization.
- **Record delivery time:** 2 to 4 weeks for the standard configuration.
- **Excellent value. Fast delivery.**

<b>Machine output</b>	Up to 40 upm (60 samples/minute)
<b>Filling volume</b>	0.5 ml to 500 ml
<b>Bottle height</b>	Max: 250 mm
<b>Accuracy</b>	± 0.5%
<b>Motors</b>	Machine: 1.1 kW Conveyor: 0.55 kW Screw capper: 0.37 kW
<b>Electricity supply</b>	Power: 3xphase 400 V+N - 50/60 Hz Control: 24 VDC
<b>Compressed air</b>	Flow rate: 25 Nm <sup>3</sup> /h Pressure: 6 bars
<b>Working height</b>	900 to 950 mm
<b>Machine dimensions</b> (not including the removable bowl feeder and conveyor)	Width: 1800 mm Depth: 1300 mm Height: 2100 mm
<b>Approximate weight</b>	Net: 1000 kg Gross: 1400 kg
<b>Sound level</b>	< 75 dB A

## FEATURES

### FILLING

Complete line of pumps and nozzles for different products and filling technologies:

- **Alcohol-based products** : valve pumps with specific nozzles with return.
- **Liquid cosmetics**: valve pumps with cut-off nozzles, seal-free valve nozzles, straight nozzles, etc.
- **Cosmetic creams**: pneumatic pumps with straight nozzles.
- **Hair-dye**: massic flowmeter.

### CAPPING

- Press-fit inserts and plugs.
- **Crimp-on, crimpless, snap-on and screw-on pumps (with torque control).**
- Snap-on or screw-on **dispenser pumps** (with torque control and possible dispenser orientation).
- Press-fitting of **decorative collars and shoulders.**
- **Flip-top caps, snap-on and screw-on caps (with torque control).**
- Press-on **overcaps.**
- **Lids and caps for cosmetic cream jars.**
- **Mascara wipers and wands/brushes.**

## OPTIONS

- Dust remover.
- Standard or pressurized tank.
- Automatic overflow (perfumes), the surplus liquid may be re-routed back to the filling tank via an automatic return system (exclusive PKB feature).
- **Removable automatic pump feeder (TRD).**
- **Removable automatic collar feeder (TRD).**
- **Nail varnish**: insertion of beads/balls, brushes, screw-on caps.
- **PKB UNIT** module on a conveyor for additional operations (press-fitting, screw-capping).
- Diagnostics and **remote maintenance assistance** via Ethernet.
- **DEPUCKER.**

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