



pkb

MACHINES  
PRODUCT  
SHEETS





## IN STOCK MACHINES

Explore our catalogue of pre-assembled In Stock Machines, designed to optimize lead times without sacrificing quality. Swiftly enhance your production line with our machines, each engineered for precision and reliability from the get-go.

EKO

LINO

SYNCHRO

FLEXI 200

FLEXI 300

ROBO SAMPLES

PRIMO

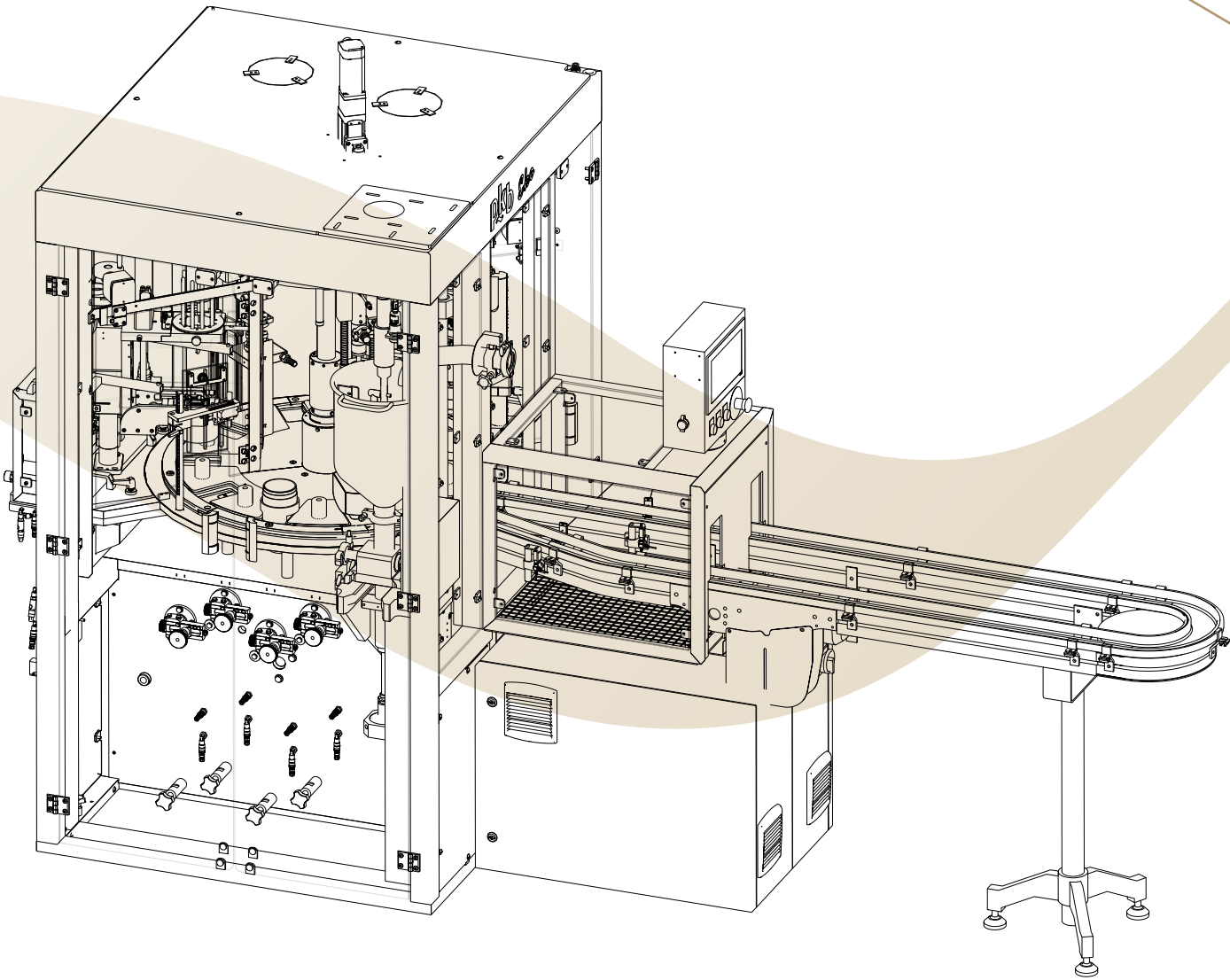




IN STOCK MACHINES

# EKO

FILLER – CAPPER: PERFUME, LIQUID COSMETICS,  
COSMETIC CREAMS, HAIR DYE



PKB EKO is the most versatile filler-capper on the market - the EKO is a PKB flagship.

## Main Benefits

- The EKO enjoys decades of know-how, carefully combined with the newest servo technologies. The result is an extremely versatile, compact, robust, economical, and reliable machine
  - The EKO is ideal for small runs and frequent changeovers
  - It is an excellent value investment and enjoys fast delivery
  - The EKO can be configured to fill any product and can handle a very large range of assembly. The EKO can easily be adapted from one configuration to another, by the client, in the factory
  - Can be combined with Plug and Play distribution systems, for stage-wise automation and investment
  - The EKO can be combined with PKB machinery upstream and downstream:
    - Robotic loading and unloading of bottles
    - Marking and detection machine (labeling, ink-jet, quality inspection, and control)
- The result is a full primary packing line with an exceptionally compact footprint, delivery time, and performance

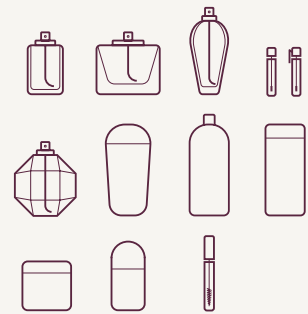
## Options

- Dust remover
- Servo-driven filling pumps
- Servo-driven bottom-up filling nozzle
- Jar rotation
- Servo-driven torquing
- Buffer tank
- Automatic overflow (perfumes), the surplus liquid may be re-routed back to the filling tank via an automatic return system (exclusive)
- Removable automatic pump feeder (TRD)
- Removable automatic collar feeder (TRD)
- Nail varnish: insertion of beads/balls, brushes, screw-on caps
- Jars: Aluminum foil placing, pre-sealing, sealing
- Mechanical or Robotic feeding (2 assembly stations)
- Diagnostics and remote maintenance assistance via Ethernet
- Depucking via parallel belt or Cobot







output	up to 40 upm
filling volume	from 0.5 ml to 500 ml
bottle height	max: 250 mm
accuracy	± 0.5%
electricity supply	power: 3 × 400 V + N - 50/60 Hz control: 24 VDC
compressed air	flow rate: 25 Nm³/h pressure: 6 bars
working height	950 mm
dimensions	width: 1800 mm depth: 1300 mm height: 2100 mm
approximate weight	net: 1000 kg gross: 1400 kg
sound level	< 75 dB A

## EKO

### Bootle types



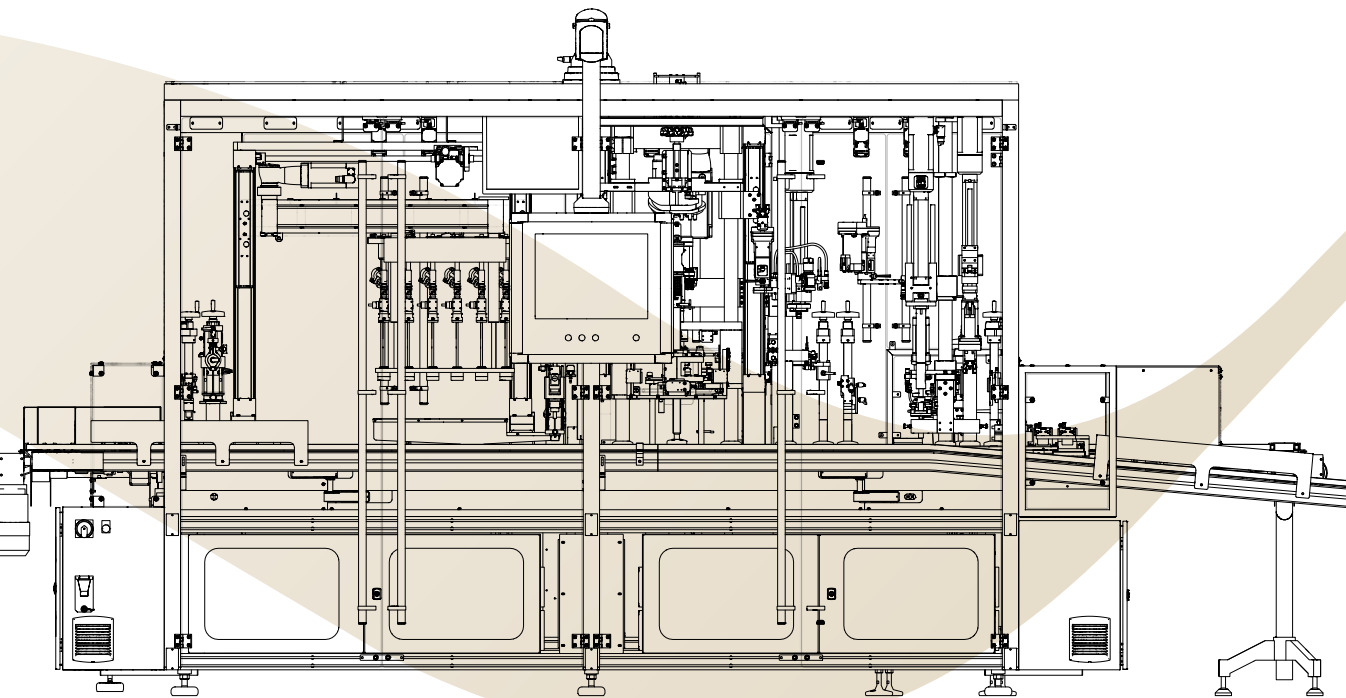
### Functions available to integrate

-  HANDLING
-  CLEANING
-  FILLING
-  MARKING & BOTTOM LABELING
-  CLOSING
-  OTHERS FUNCTIONS

IN STOCK MACHINES

# LINO S

MULTIFORMAT FILLER – CAPPER:  
EAU DE TOILETTE, EAU DE PARFUM, PERFUME, COLOGNE, PERFUME  
EXTRACT, AFTERSHAVE LOTION, ALCOHOL-BASED LOTION, ETC.



PKB LINO S is a pre-configured modular LINO (Linear Architecture), built to produce perfume at 60 upm.

This servo-driven work-horse is an industry-recognised solution; highly dependable, robust and precise. Many famous perfume brands depend on the LINO range to produce 24/7.

Offering a global panoramic view of the filling and assembly processes, great visibility makes for ease of use and adjustment.

Functions are all accessible.

Tool-free changeover is rapid and ergonomic.

## Main Benefits

- ATEX components in filling zone
- 6 mass-flow filling nozzles
- Volumetric or level filling
- High performance CIP (Clean in place) with programmable cleaning cycles
- Dust remover
- Servo-driven capping turret with plug and play change-over for pump crimping, push-on or screw-on formats
- Servo-driven final torque or push-on
- Servo-driven walking beam to eliminate liquid sloshing
- Collar distribution and setting
- Fast delivery times

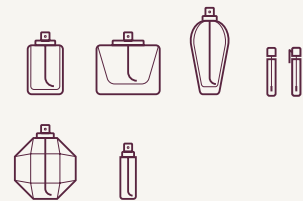
## Benefits

- This configuration meets the requirements for the vast majority of perfume filling and capping formats (screw-on, push-on and crimp-on).
- The proven technologies built into the LINO S offer legendary performance speed, ease of use and precision.
- Depending on production load in our factory, PKB generally has the LINO S in stock and can offer very aggressive lead-times.
- The LINO S is a mono-bloc filler-capper with a highly optimized design to minimize footprint.

output	up to 60 upm
filling volume	from 20 ml to 500 ml
bottle height	max: 250 mm
accuracy	± 0.5%
power	12 kVA
electricity supply	power: 3 x 400 V + N - 50 Hz control: 24 VDC
compressed air	flow rate: 70 Nm³/h pressure: 5 – 7 bars
working height	900 mm – 950 mm
dimensions	width: 1300 mm depth: 1600 mm height: 3500 mm
approximate weight	4000 kg
sound level	< 75 dB A

## LINO S

### Bootle types



### Functions available to integrate



- Puck loading from trays (REF Flexi 300)
- Puck Extraction (REF P&P, Extractor, Cobot)
- Robotic distribution of perfume pumps (REF Flexi 200)
- Travel spray pucks loading from boxes



- Vision inspection and control
- Character presence control
- Integration of bottom-labeling head (HERMA typically)
- Laser marking



- Gas extraction
- Gas analysis



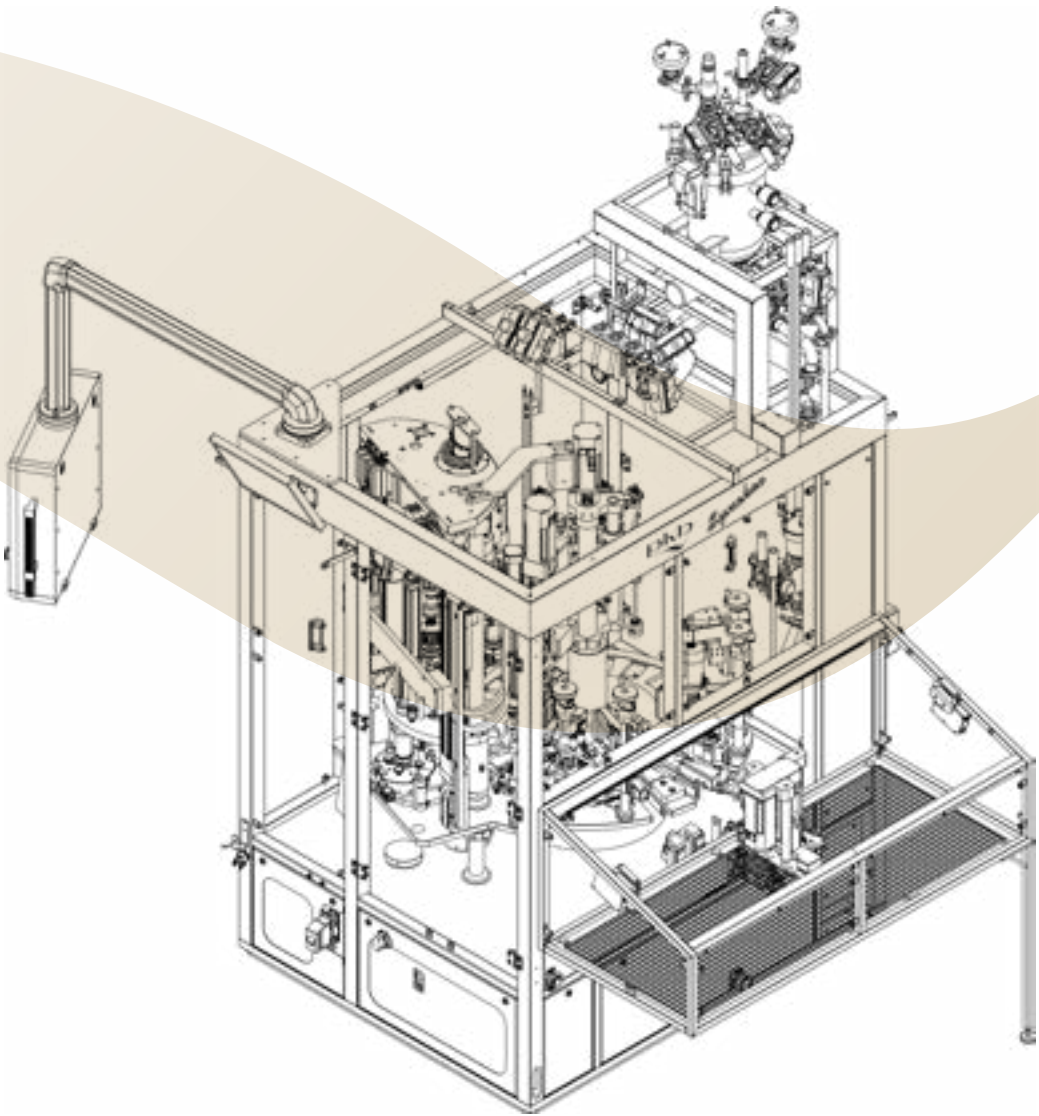
IN STOCK MACHINES

# SYNCHRO S

perfume

HIGH-PERFORMANCE SERVO-DRIVE  
FILLING / CAPPING MACHINE FOR PERFUME

EAU DE TOILETTE, EAU DE PARFUM, PERFUME, COLOGNE, PERFUME  
EXTRACT, AFTERSHAVE LOTION, ALCOHOL-BASED LOTION, ETC...



High-performance intermittent rotary machine for filling and capping perfume bottles.

Multi-format, extremely versatile, and suitable for small, medium, and large production runs.

## Main Benefits

- The SYNCHRO is available: 20 alveoli frame-size
- Filling capacity: 20 ml to 1000 ml
    - 4 mass-flow filling nozzles
  - Exclusive PKB patented continuous filling system linked to other intermittent capping operations
  - Fast delivery time (4 to 6 months)

## Benefits

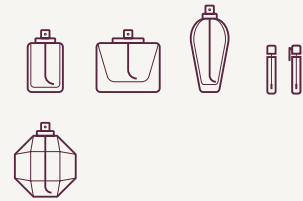
- Highly compact design for use in restricted floor-space applications
- Volumetric or level filling
- High-performance CIP (Clean in place) with programmable cleaning cycles
- ATEX components in filling zone
- Dust remover
- Servo-driven capping turret with plug-and-play change-over for pump crimping, push-on or screw-on formats
- Servo-driven final torque or push-on
- Servo-driven walking beam to minimize liquid sloshing
- Automation of pumps and collar feeding

output	up to 60 bottles/minute
filling volume	from 20 ml to 250 ml
bottle height	max: 250 mm
accuracy	± 0.5%
power	12 kVA
electricity supply	power: 3 × 400 V + N - 50 Hz control: 24 VDC
compressed air	flow rate: 70 Nm³/h pressure: 5 – 7 bars
working height	900 mm – 950 mm
dimensions	width: 1600 mm depth: 2600 mm height: 3300 mm
approximate weight	2500 kg
sound level	< 75 dB A


## SYNCHRO S


perfume


### Bootle types



### Functions available to integrate

-  **HANDLING**
- Puck loading from trays (REF Flexi 300)
  - Puck Extraction (REF P&P, Extractor, Cobot)
  - Robotic distribution of perfume pumps (REF Flexi 200)
  - Travel spray and samples pucks loading from boxes

-  **MARKING & BOTTOM LABELING**
- Vision inspection and control
  - Character presence control
  - Integration of bottom-labeling head (HERMA typically)
  - Laser marking

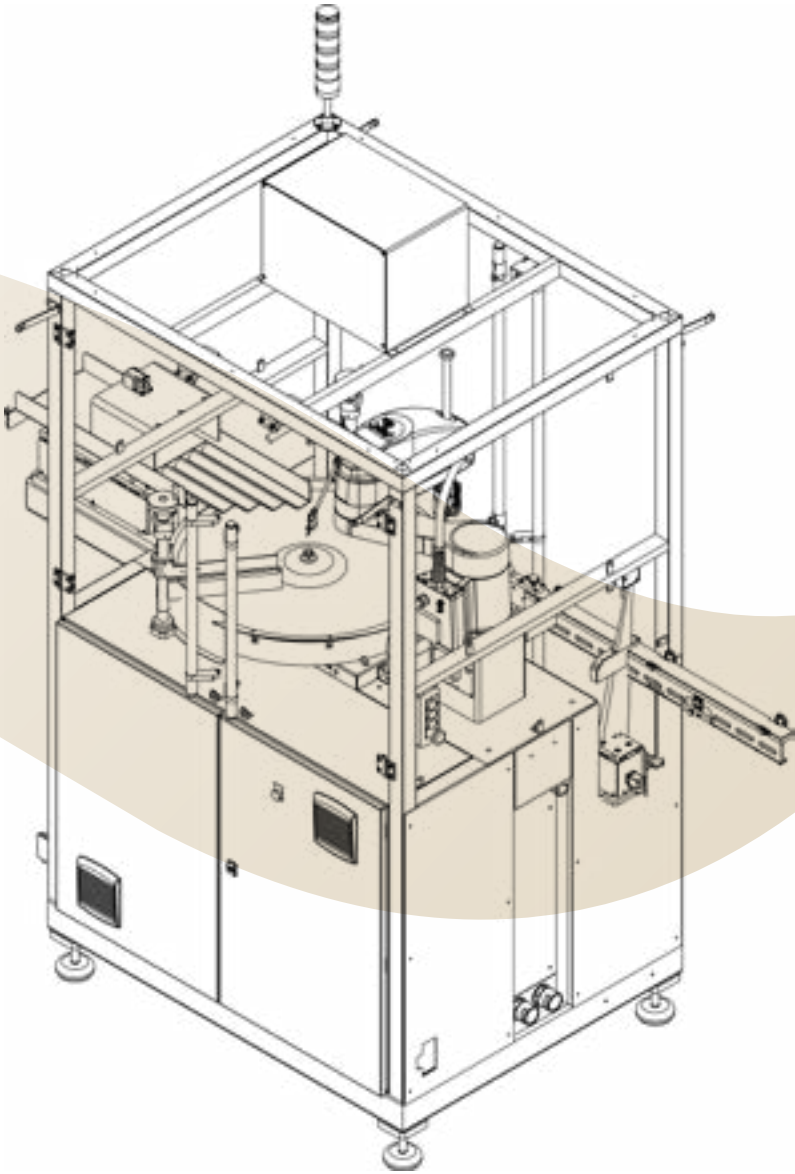
-  **ATEX CONSIDERATIONS**
- Gas extraction
  - Gas analysis



IN STOCK MACHINES

# FLEXI 200

FLEXIBLE ROBOTIC UNSCRABLING & FEEDING SOLUTION



PKB FLEXI 200 is a standard flexible robotic feeding cell capable of unscrambling a large range of component families.

The robotic and vision control system is PKB design, all testing and development is done in-house.

The Flexi 200 can be integrated to most PKB Filling and Capping machines.

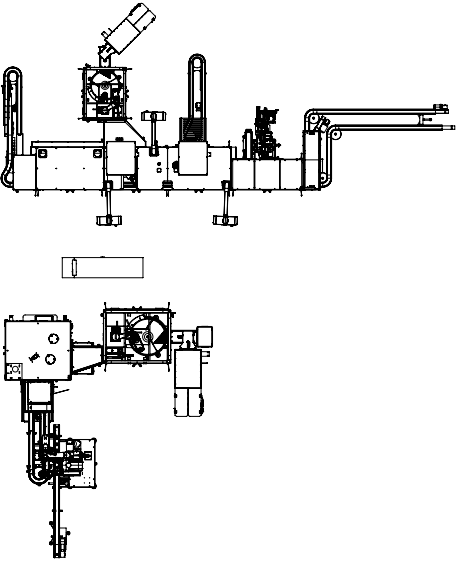
## Main Benefits

- In single robot format, the robot picks components from a back-light rotating disc, orientates them, and deposits them at a rate of up to 120 cpm (60 cpm per robot)
- Through extensive testing, industrial experience, and know-how, PKB has a solid understanding of the advantages and limitations of this technology
- The compact footprint allows the Flexi 200 to replace an existing mechanical distribution
- PKB can test and create new format parts, vision settings, and speed tests at our factory for “turn-key” service on additional formats
- Replaceable surface texture of rotating disc to adapt to particular component geometries
- Aggressive lead-time

## Component types

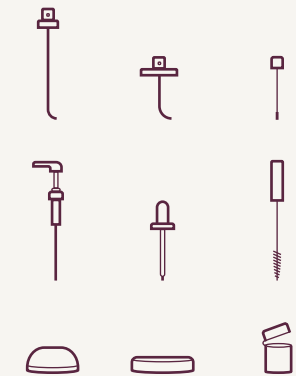
- Perfume pumps
- Cosmetic pumps (including nozzle orientation)
- Caps and lids
- Reducers
- Nail varnish, mascara and lip-gloss brushes (with or without integrated cap)
- Droppers
- Roll-on

### Implant exemples



## FLEXI 200

### Component cap types



### Functions available to integrate

An integrated setting mechanism for “Plug and Play” integration to the PKB EKO

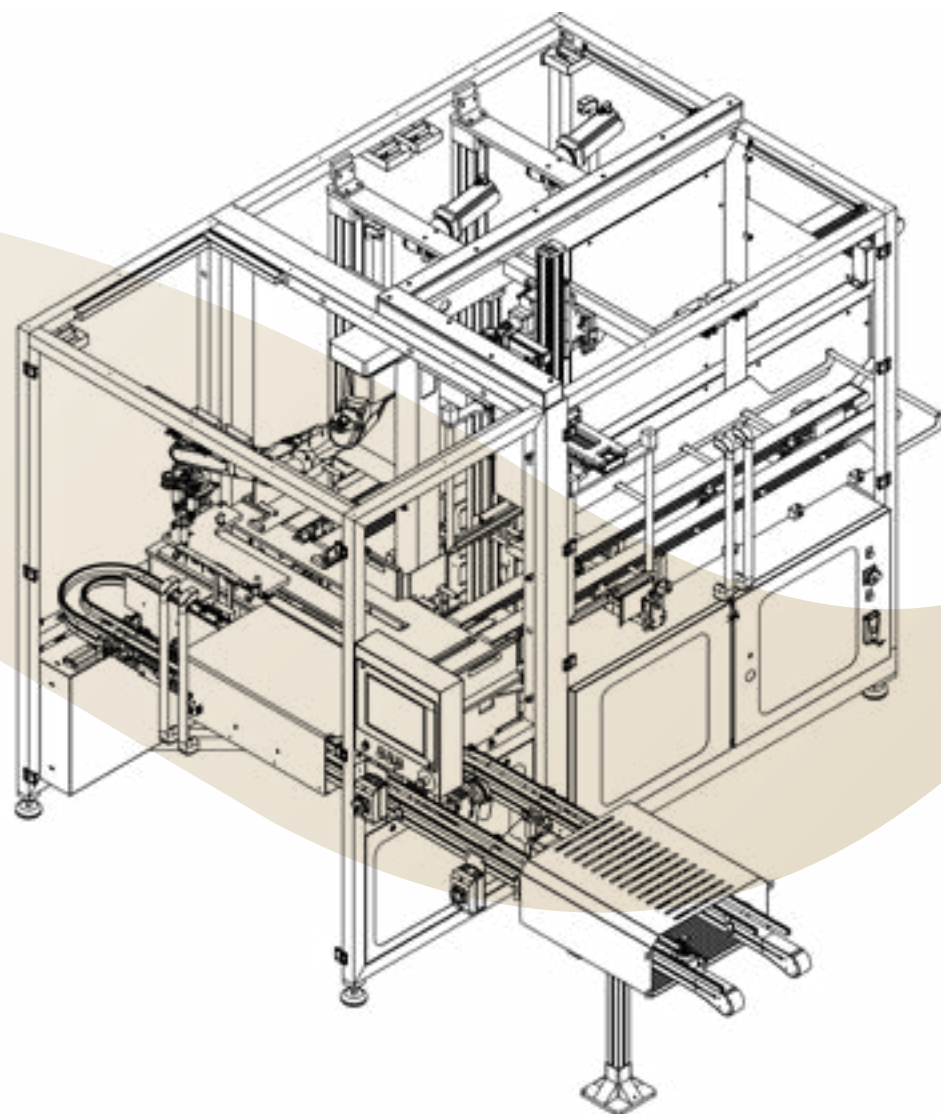
Additional vision controls for complex orientation operations

output	Up to 60 components/minute for single robot version
	Up to 120 components/minute for double robot version
electricity supply	motors machine: 2.5 kW power: 3 × 220/240 V + N - 50/60 Hz control: 24 VDC
compressed air	flow rate: 15 Nm³/h pressure: 6 bars
working height	1250 mm
dimensions (single robot)	width: 1025 mm depth: 1850 mm height: 2600 mm
approximate weight	single: 800 kg
sound level	< 75 dBA

IN STOCK MACHINES

# FLEXI 300

MODULAR ROBOTIC TRAY/BOX UNPACKING SOLUTION



PKB FLEXI 300 is a standard modular robotic unpacking cell, for distribution from trays and boxes.

This machine has modular options including vertical buffer storage, depalletisation, laser marking.

The robotic and vision control system is PKB design, add testing and development is done in-house.

The FLEXI 300 can be supplied as a stand-alone machine, or integrated directly into a LINEAR ARCHITECTURE machine for optimum line footprint.

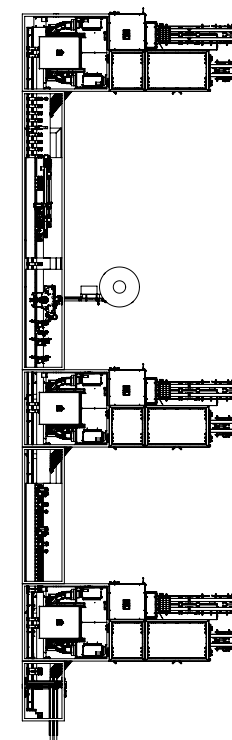
## Main Benefits

- Available in single or double robot format, components can be unloaded at large range of machine speeds - up to 200 bpm for small components
- A typical glass perfume bottle configuration can unpack bottles from trays or boxes to supply a LINO line at 60 bpm
- This standard cell is also used for distribution from trays of luxury perfume caps, delicate color cosmetic application brushes, glass pipettes for feeding to a PKB capping system
- Optional buffer volume of trays or boxes to create time for pallet change-over. Automated pallet unloading is also possible
- Optional stacking of empty trays or boxes
- PKB can test and create new format parts, vision settings, and speed tests at our factory for "turn-key" service on additional formats
- Aggressive lead-time

## Components types

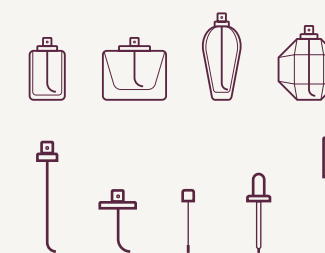
- Any delicate components and bottles that required feeding to the production line in trays or boxes

## Implant examples

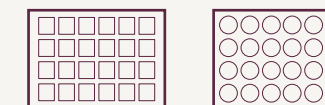


## FLEXI 300






### Botle and cap types



### Trays and boxes



### Functions available to integrate

-  CLEANING
-  WEIGHT CHECKING
-  MARKING & BOTTOM LABELING
-  DEPALLETIZING
-  OTHERS FUNCTIONS

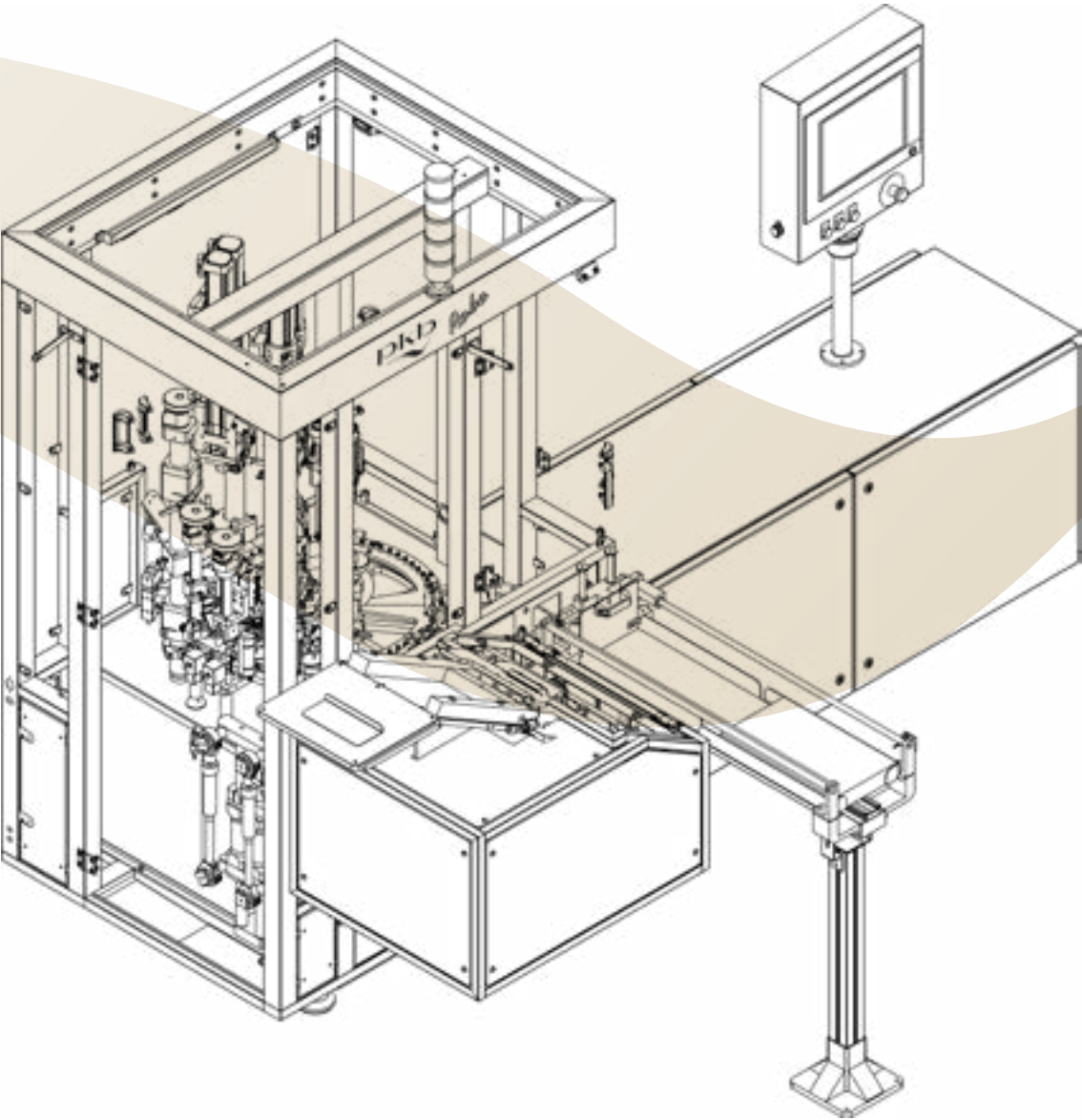
output	up to 120 or 60 components/minute
electricity supply	motors machine: 2.5 kW power: 3 x 220/240 V + N - 50/60 Hz control: 24 VDC
compressed air	flow rate: 15 Nm³/h pressure: 6 bars
working height	1250 mm
dimensions (single robot)	width: 1025 mm depth: 1850 mm height: 2600 mm
approximate weight	single: 800 kg
sound level	< 75 dBA



IN STOCK MACHINES

# ROBO samples

FILLER – CAPPER  
PERFUME SAMPLES / VIALS



## Main Benefits

- This iconic perfume samples filling machine, for multi-format use is suitable for handling glass or plastic vials, with volumes of 2 to 7 ml, and all types of capping systems
- The ROBO Samples architecture is based on circular double-headed intermittent motion, with a production speed of 120 bpm
- This servo-driven work-horse is an industry-recognized solution; highly dependable, robust, and precise
- Many famous perfume brands and contract packers depend on the PKB ROBO Samples machine for cost-effective, reliable production

## Benefits

- The PKB ROBO Samples provides a very quick return on investment, generating considerable savings of perfume due to its excellent dosing accuracy. It also offers savings thanks to the use of the same fitting device for all types of capping systems.
- The benefits of the PKB ROBO perfume sample bottle-filling machine are:
- 120 bpm
  - Many automatic feeding types (by cartons for glass bottles, loose from a sorting bowl for plastic bottles)
  - Several automatic unloading systems: direct outfeed towards a cartoning machine, outfeed in intermediate trays for further infeed to a cartoning machine
  - Flexibility (glass or plastic sample bottles of 2 to 7 ml, caps with or without clip, with or without dip-tube, pump types Sophilux, Sophistic's, Sofpress, ...)
  - Compact design (smaller footprint)
  - Productivity (up to 100,000 perfume samples per day)

output	up to 120 upm
filling volume	from 0.5 ml to 10 ml
bottle height	max: 50 mm
accuracy	± 0.5%
power	8 kVA
electricity supply	power: 3 x 400 V + N - 50 Hz control: 24 VDC
compressed air	flow rate: 60 Nm³/h pressure: 5 – 7 bars
working height	900 mm – 950 mm
dimensions	width: 1285 mm depth: 1920 mm height: 2200 mm
approximate weight	1500 kg
sound level	< 75 dB A

## Options

- Laser marking on either bottle or cap, integrated into the machine frame
- Multiple feeding or unloading systems
- 2<sup>nd</sup> filling circuit for parallel CIP (for instant change of fragrance)
- Ceramic filling pumps
- Gas extraction
- Gas analysis

## ROBO

### Bootle types



### Functions available to integrate



HANDLING



CLEANING



FILLING



MARKING



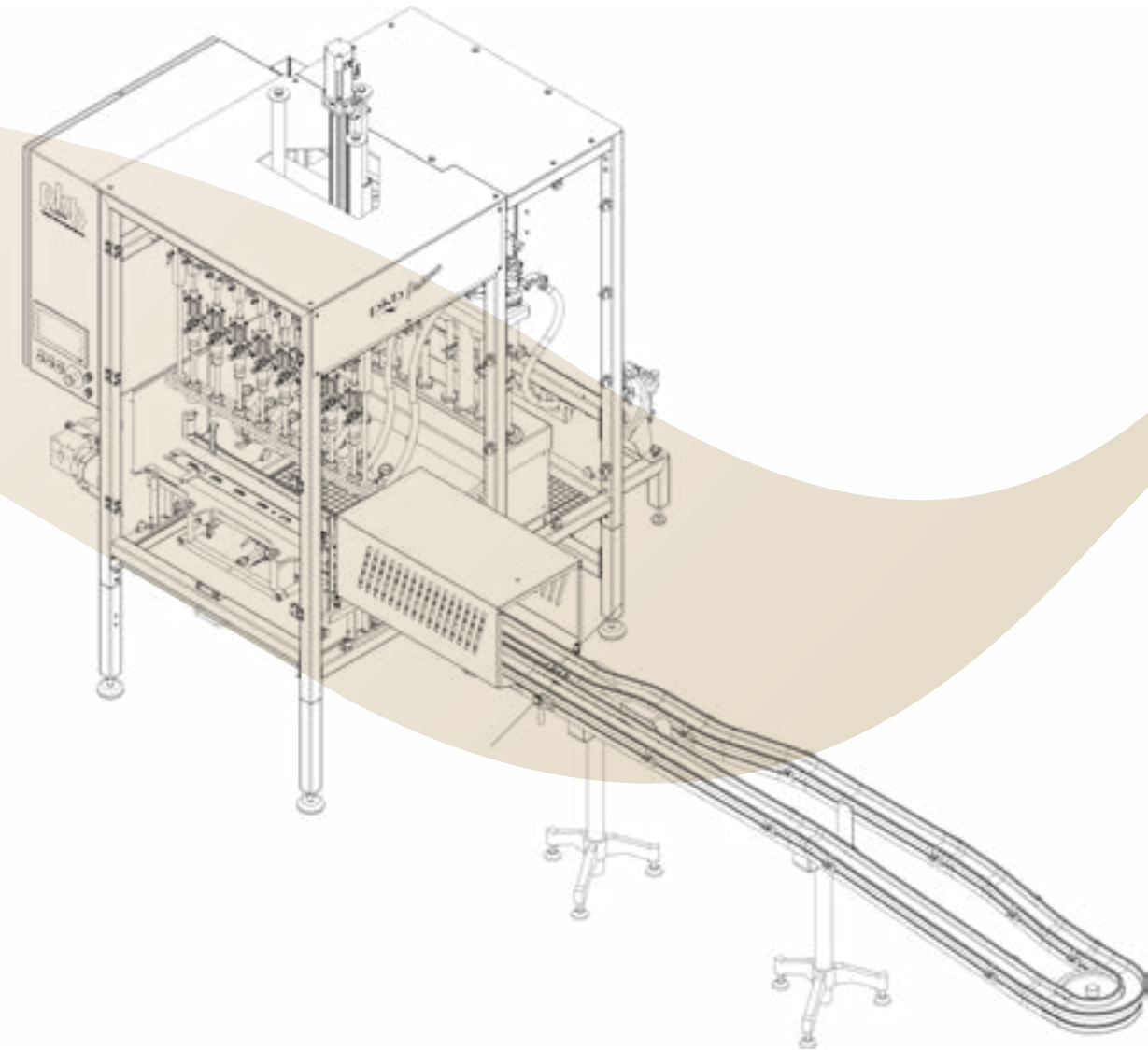
CLOSING



IN STOCK MACHINES

# PRIMO

UNIVERSAL MULTI-NOZZLE COSMETIC FILLER



## Main Benefits

- The PKB PRIMO is a standard platform machine, which can be deployed on a line with or without pucks, all relevant sub-assemblies are available in stock
- Primo is extremely versatile, compact, robust, economical and reliable machine
- It is an excellent value investment and enjoys fast delivery
- Servo-driven bottom-up filling
- Machine available up to 8 nozzles (mass-flow version) and 6 nozzles (volumetric pump version)
- CIP ready
- Integrated electrical cabinet and touch-screen

The Primo can be combined with PKB machinery upstream and downstream:

- Robotic loading and unloading of bottles
- The PKB PRIMO can be a stand-alone filler or combined with a LINO capper to form a mono-bloc multi-function machine
- Marking and detection machine (labeling, inkjet, quality inspection, and control)
- The result is a full primary packing line with an exceptionally compact footprint, delivery time, and performance

## Options

- Buffer tank
- Possibility to combine 2 PKB PRIMO to have 16 nozzles
- Diagnostics and remote maintenance assistance via Ethernet

output	up to 120 upm
filling volume	from 50 ml to 1000 ml
bottle height	max: 300 mm
accuracy	± 0.5%
electricity supply	power: 3 × 400 V + N - 50/60 Hz control: 24 VDC
compressed air	flow rate: 20 Nm³/h pressure: 6 bars
working height	900 mm
dimensions	width: 1510 mm depth: 1650 mm height: 2850 mm
approximate weight	net: 800 kg
sound level	< 75 dB A

## PRIMO

### Bootle types



### Functions available to integrate



FILLING

The PKB PRIMO can be a stand-alone filler or combined with a PKB LINO capper to form a mono-bloc multi-function machine.



PKB

1 Route d'Orleans  
27930 Angerville (Normandie)  
FRANCE

Phone +33 2 32 37 96 32  
[pkb@pkb.fr](mailto:pkb@pkb.fr)

[www.pkbmachines.com](http://www.pkbmachines.com)