

# COSMETICS



## Packaging machines for COSMETICS & PERSONAL CARE

From single machines to full turnkey solutions

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Full Line for eyeliner/mascara
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# SOLUTIONS FOR ALL TYPES OF COSMETICS PRODUCTS

## FULL TURNKEY SOLUTIONS

### Closure, Container & Product Types



#### Closure Types

- Screw caps
- Press-on caps
- Crimp caps
- Brushes
- Trigger pumps
- Pump caps with dip tube
- Drop or spray inserts
- Aluminium or plastic sealing foils
- Lids



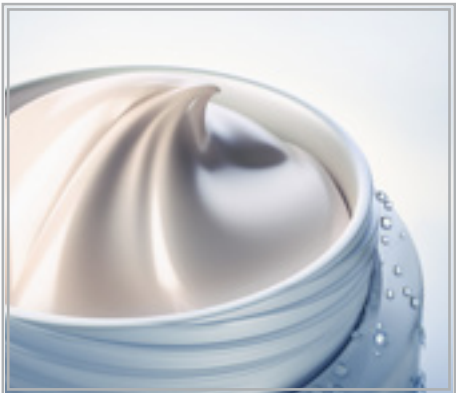
#### Container Types

##### Primary:

- Glass
- Plastic
- PET
- Film
- Stable containers
- Non-standing containers

##### Secondary:

- Cartons
- Folding boxes
- Foils and films
- Composite paper



#### Product Types

- Liquids (e.g. nail varnish, perfume, oil, serum)
- Creams (e.g. moisturiser, foundation, hair wax)
- Powders (e.g. blusher, bath salt)

A complete range of automated machinery, designed specifically to support your production line's requirements.

Liquid & Powder Filling | Loading | Sealing | Capping | Labelling | Case Packers

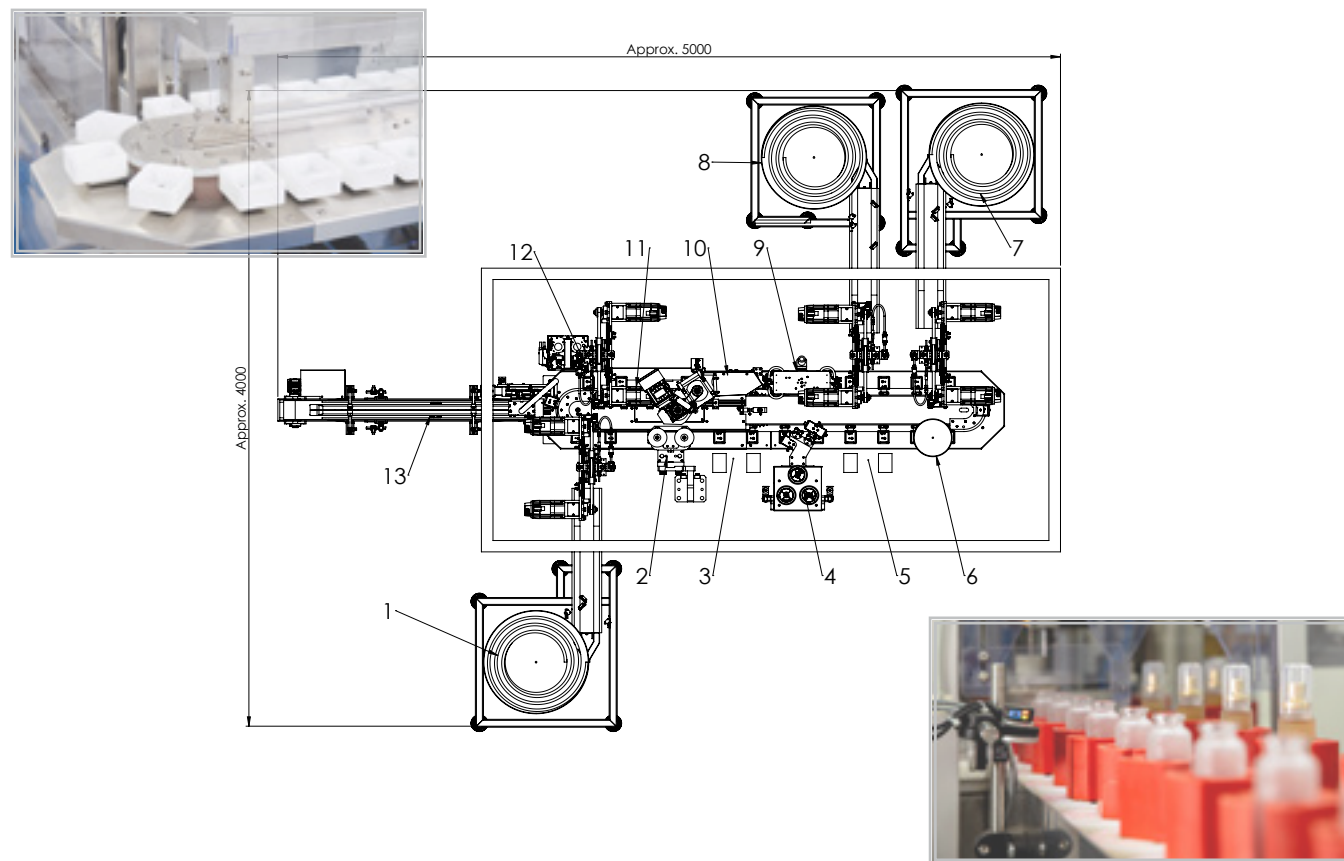
#### General Line Specifications

- Industry 4.0 ready
- Festo (Germany) pneumatics and servo systems
- Complete SST304/316L design
- FDA approved piping as applicable
- Siemens (Germany) PLC & HMI and motors. Allen Bradely – optional
- Banner sensors
- E-stop buttons and safety interlocks wired through
- CAT IV safety controller
- CE, ANSI, OSHA, NFPA and NEC compliant

- Complete packaging lines
- Design, assembly, programming and installation
- High speed throughputs up to 200ppm
- Built-in QC and reject systems
- Quick & easy changeover time
- Fully automatic configuration
- Front & back labelling, partial or full wraparound with orientation unit
- ATEX and anti-corrosion certifications
- Full customisation available



## EYELINER TURNKEY LINE



1. Automatic eye liner's clear containers (part #2) / mascara containers double feeder.
2. Air blast cleaning system.
3. Weight checker - empty container (eye liner / mascara) YES/NO QC station.
4. Two servo driven volumetric piston fillers, and two servo driven commanded "diving" nozzles.
5. Weight checker - Full Container - part #2 of eye liner / mascara containers.
6. Automatic feeding part #1 of eye liner and inserting it into part #2.
7. Automatic eye liner's plastic containers (part #3) feeding and assembling station.
8. Automatic plastic eye liner containers (part #4) / mascara caps with brush feeder.
9. Inserting the assembling parts (parts #1, #2 and #3) into part #4 of the eye liner.
10. Mascara caps closing grippers.
11. Caps YES/NO QC station and defects rejection station.
12. Ink jet printing.
13. Products out-feed conveyor.

## HANDLING SOLUTIONS



- Hoppers
- Unscramblers
- Bunker elevators
- Sorting technologies
- Buffers
- Discharge tables
- Rotary in-feed and out-feed tables
- Pucks assisted product handling

More details: <https://shemeshautomation.com/automated-packaging-machines/>





## FULLY AUTOMATIC CLEANING SOLUTIONS



- Air rinsing & extraction
- Throughputs up to 100ppm
- Suitable for plastic, glass and metal containers
- Complete 304 stainless-steel machine design
- Quick & easy changeover time
- Modules for integration in existing machine solutions
- Objects can be cleaned in all positions

More details: <https://shemeshautomation.com/automated-packaging-machines/>

## FILLING SOLUTIONS

### Dosing & Portioning Technologies

- Servo driven piston filling
- Mechanical cam control piston filling
- Gear pump filling
- Mass flow metering system filling
- Gravity filling - low & high pressure
- NET weight filling systems
- Peristaltic pump filling
- Powder filling

#### Double Servo Driven Filling

Used primarily for thick viscous liquids and/or particulate products with limited changeovers. Examples include liquid soaps, paste and cosmetics where positive displacement or high-pressure filling is required. This type of filling easily eliminates foaming and offers synchronised filling for total product flexibility.

#### Mechanical Cam Rotary Piston Filling

Mechanical-CAM Rotary Piston Fillers allow for precise control over filling speeds and volumes. The CAM mechanism allows greater force to be applied to the pistons, making quick and easy work of high viscosity and ultra-viscous liquids. The mechanical CAM mechanism is able to apply additional force to the filling pistons. This allows for high speeds to be maintained consistently at any viscosities.

#### Positive Displacement Pump Filling

Our Automatic Pump Fillers easily handles a wide range of product types such as creams, gels, lotions and heavy paste products.





PERFECT FOR MOISTURIZERS, FACE AND BODY CREAMS, PASTES, HAIR GELS, HAIR DYE, SHAMPOO AND CONDITIONER IN ANY TYPICAL COSMETICS CONTAINER

### In-Line Liquid Filling Machines (2-12 filling stations)

Our linear filling machines can be supplied for many output ranges with various dosing systems. Operational modes include intermittent, continuous or cross transfer.



#### Main Features:

- Double Servo Driven Piston Technology
- Throughput: from 2 to 12 heads and 40-180ppm
- Portioning range from 100ml/gr-1200ml/gr
- Accuracy of +/- 0.25% of liquid volume
- 304/316 stainless steel design
- Industry 4.0-Ready.

#### Production Benefits:

- Suitable for viscous and free-flowing liquids from 1 to 500,000 centipoise (from water to thick creams)
- Fast tool-less changeover
- Easy & fast disassembly to clean
- CIP (Clean in Place) & WIP (wash in place) available

More details: <https://shemeshautomation.com/automated-packaging-machines/>

### Rotary Liquid Fillers (4-24 filling stations)

We understand that the needs of the cosmetics industry change frequently and our rotary filling machines are flexible enough to change with these needs. The way our intermittent or continuous operation rotary filler is built allows process stations to be integrated into any position as required. With this concept, virtually all cosmetics industry requirements can be accommodated.



#### Main Features:

- Mechanical Cam Rotary Piston Technology
- Throughput up to 300ppm
- Portioning accuracy of +/- 0.25% of liquid volume
- Programmable Bottom-Up portioning
- Anti-overflow/anti-drip mechanism
- 304/316 stainless steel design
- Industry 4.0-Ready.

#### Production Benefits:

- Suitable for low and high viscous liquid with particulates (viscosities from 500 to 400,000 centipoise)
- Fast tool-less changeover
- Easy & fast disassembly to clean
- Explosion/corrosion proof upgradable

More details: <https://shemeshautomation.com/automated-packaging-machines/>

## SEALING SOLUTIONS

A wide range of seal, seal-fill, or seal-fill-cap machines in either in-line or monoblock configurations available.

- Throughput up to 200ppm
- Conduction sealing technology
- Cut & Seal (sealing accordingly to the product size) or Sealing only (pre-cut lids) configurations
- Suitable for formed cups, trays, bags and containers
- Individually temperature-controlled welding heads provide enhanced sealing capabilities
- Easy to clean and maintenance
- Built-in Quality Control
- ATEX and Anti-corrosion protection



More details: <https://shemeshautomation.com/automated-packaging-machines/>



## FULLY AUTOMATIC LAMINATE CUTTING & CONDUCTION SEALING MACHINES

### In-Line Sealing Machines



### SealPro Range - Conduction Sealing Solutions

#### Features and benefits:

- Throughputs up to 200ppm
- Available as "Cut & Seal" (from a reel) or as "sealing pre-cut lids"
- Supports oval, round, conic, squared and rectangular containers (other options possible)
- Individually temperature-controlled welding heads built inside one robust sealing block (1-10 sealing heads)
- Servo driven double screw feeder for accurate, high-speed feeding registration and positioning
- Automatic foil tension control
- Built in QC and reject systems
- Fast tool-less changeover (entire machine - sealing block and screw feeder)
- Explosion-Proof, Lid-Intrusion and 'Breathing Foil' upgrades available

More details: <https://shemeshautomation.com/automated-packaging-machines/>

## CAPPING SOLUTIONS

A complete range of automated capping machines, built specifically to cater for capping requirements in the cosmetics industry.

#### Types of product closures we handle

- Screw caps
- Press-on closures
- Crimp closures
- Brushes
- Trigger pumps
- Pump caps with dip tubes
- Drop or spray inserts
- Pipettes
- Lids
- Aluminium or plastic sealing foils
- Other special closures available

#### Features and benefits:

- Throughput up to 200ppm
- Fully or semi-automatic configurations
- Supports twist-off, screw, push-pull ROPP and snap-on caps
- Pick and Place technology for more accurate capping
- Suitable for a wide variety of containers, bottles and shapes
- Servo driven cam technology
- Easy to clean and maintenance
- Built-in Quality Control
- In-line, rotary or monoblock version available
- ATEX and Anti-corrosion protection





PERFECT FOR MOISTURIZERS, BODY BUTTERS, LOTIONS, CREAMS IN TUBS AND BOTTLES



#### Main Features:

- Screw, ROPP & Twist-Off Capper
- Throughputs up to 180ppm
- Snap-On and/or Push-Pull clipping
- Servo driven cam technology
- Adjustable torque, 4.43-61.96 lbf-in / 0.5-7.0 Nm
- Industry 4.0 Ready
- Monoblock or in-line models available

#### Production Benefits:

- Wide variety of containers or bottles
- Fast tool-less changeover
- Built-in QC, including SMART remote support, live stats and performance analysis

More details: <https://shemeshautomation.com/automated-packaging-machines/>



#### Main Features:

- Pump Spray & Trigger Capper
- Semi-automatic or fully-automatic configuration
- Throughput up to 120ppm
- Up to 2 working stations
- Accuracy under 1% defect rate
- Pick & Place technology
- Industry 4.0 Ready
- Explosion and corrosion proof protection available
- Monoblock or in-line models available

#### Production Benefits:

- Fast & tool-less changeover
- Wide variety of containers, bottles and shapes (plastic, glass, round, square, cylindrical, conical, etc.)
- Universal gripper fits both spray and trigger caps
- Built-in QC, including SMART remote support, live stats and performance analysis

More details: <https://shemeshautomation.com/automated-packaging-machines/>



#### Main Features:

- Highly Versatile, Trigger, Pump and Screw Caps Automatic Capper
- Fully-automatic configuration
- Throughput up to 80ppm
- Explosion and corrosion proof protection available
- Industry 4.0 Ready

#### Production Benefits:

- Complete line changeover in under 20min
- Easy & fast to clean and maintain
- Wide variety of containers or bottles
- Built-in QC, including SMART remote support, live stats and performance analysis

More details: <https://shemeshautomation.com/automated-packaging-machines/>

## MONOBLOCKS

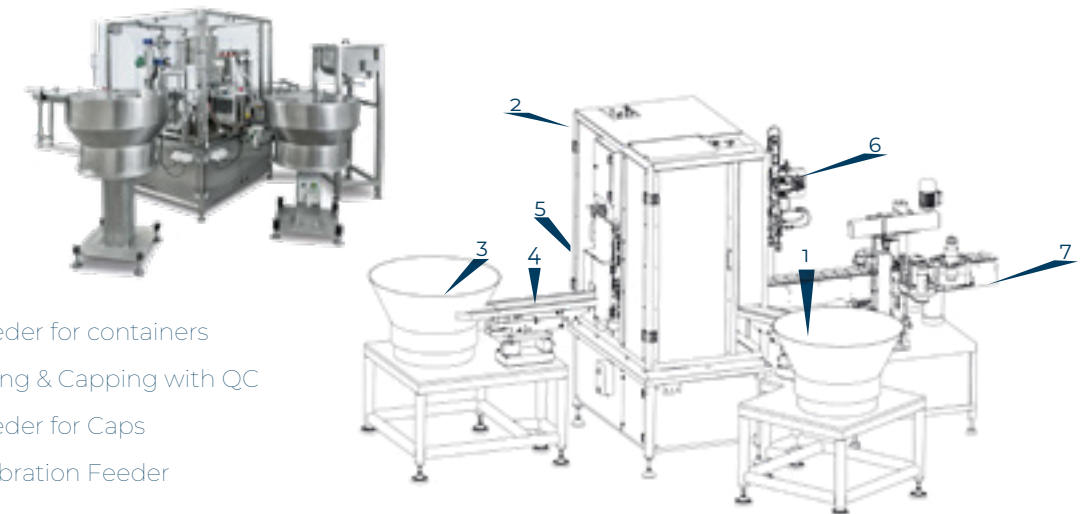
### AUTO FEED / FILL / CAP / OVER-CAP

Monoblock (all-in-one) Packaging Solutions, encompassing all aspects of downstream packaging including feeding, filling, capping, double-capping, weighing, labelling QC and discharging.

#### Features and benefits:

- Throughputs up to 100ppm
- Suitable for low & high viscosities products
- Fill volumes from 5ml to 5litres
- Fills bottles, jars and vials
- Everything you need, in one smart unit
- Compact space-saving footprint (environmentally friendly design)
- Perfect for dedicated and contract manufacturing
- Represents great ROI
- Easy to use robust HMI touch screen control panel
- Easy to clean and maintenance
- Stainless steel 304/316L construction
- Industry 4.0-ready
- Labelling and coding modules available

### TYPICAL CONFIGURATION KEY MODULES



COSMETICS MONOBLOCK INDICATIVE LAYOUT

- 1 Automatic Feeder for containers
- 2 Automatic Filling & Capping with QC
- 3 Automatic Feeder for Caps
- 4 Caps Linear Vibration Feeder
- 5 Rejects Conveyor
- 6 Pick & Place Manipulator
- 7 Optional : LWA Containers Labeller

More details: <https://shemeshautomation.com/automated-packaging-machines/>

## PERFECT FOR EXTRA SMALL CONTAINERS AND VIALS

Sambax range of “fill & cap” machines, suitable for small and extra small containers and vials. Perfect for producers of mascara, nail varnishes, eyeliners, travel-size shampoos, conditioners and creams.



### Features and benefits:

- Throughputs up to 100ppm
- Fully automatic feed, fill, pick and place cap, and over-cap
- Fills volume from 5ml to 350ml
- Double servo filling technology
- Accuracy of +/- 0.25% of liquid volume
- Built-in CIP (Clean in place)
- Up to 20 programmed product recipes
- Low & high viscosities products
- Stainless steel 316L construction
- Very small footprints
- Built-in QC, including SMART remote support, live stats and performance analysis
- Industry 4.0-ready
- Labelling and coding modules available

More details: <https://shemeshautomation.com/automated-packaging-machines/>

## LABELLING MACHINES

Perfect for Cosmetic Vials & Small Round Bottles



### Features and benefits:

- Throughputs up to 200ppm
- Offers front & back labelling, partial or full wraparound with orientation unit
- Quick & easy changeover time
- Fully hands-free with full QC and a defects rejection unit
- Printing & coding features available.

#### LWA Front & Back Labelling Machine

Robust and low-maintenance labelling machine with great accuracy at speeds of up to 600ppm.

#### LWA Wraparound Labelling machine

Application of wraparound labels to cylindrical containers.

#### LWA Universal Labelling Machine

Front and/or back application of labels to flat panel, oval, cylindrical or conical containers.

Application of two front labels with orientation to cylindrical containers.

Top Label Applicator optional as an add-on to all our machines.

More details: <https://shemeshautomation.com/automated-packaging-machines/>



## CARTONING SOLUTIONS

### Case Form, Fill and Seal Machines

- Folding boxes with tuck-in or glue closure
- Full automated product supply
- Pick & Place system
- Semi-automatic or fully automatic configuration
- Coding possibilities, blind embossing, print and/or laser
- Designed for continuous operation
- Barcode management
- Processing of in-liners, leaflets, booklets, and spray pumps
- Insertion station for sachets
- Integration of labelling
- Integrated reject for non-conforming products



#### Features and benefits:

- Throughput up to 25 cases per minute
- Can handle a variety of product shapes, product types and carton configurations
- Designed for minimum space requirements
- No need to stop for magazine charging
- Seamless integration with the rest of the Shemesh machinery

The Relentless complete form fill and sealing machine is an end of line (EoL) complete solution for fully automatic product feeding, carton erecting, product manipulation and configuration, product placing and carton sealing.

It is a crucial part of any production line that aims to turn empty containers into stuffed/filled, sealed, capped and labelled containers in a sealed case containing the required configuration of finished products.



More details: <https://shemeshautomation.com/automated-packaging-machines/>

## SERVICE & SUPPORT

Shemesh Automation Support has a global network of sales representatives, after sales service specialists and technical teams to offer you flexible and efficient support. We share our knowledge to guarantee the maximum productivity of your machinery and our worldwide service network of qualified technicians ensures fast support whenever and wherever you need it.

- Shemesh Automation Support provides expertise and leading-edge technology to support our customers, delivering them with added value as well as the necessary competitive edge to advance in global markets.
- As expert machine designers and system integrators we offer a complete end-to-end service. We can supply everything from a single module to a turnkey solution for a full production line.
- Our Support also provides integral services that cover all aspects of technical support and after sales needs in one contract: reliable, cost effective, integrated end-to-end solutions.

### The one-stop-shop advantage

The 'one umbrella' advantage eliminates questions of responsibility and minimises the costs and risks normally associated when dealing with multiple vendors. The open relationship this creates can result in greater knowledge, enhanced efficiency, lower costs and improved product quality. This in turn leads to increased market share opportunities and higher overall profit margins for our customers.

### Adding value to our clients

Shemesh's efficient sales teams support our clients in choosing custom solutions to match any requirement. Whether it is a single machine, all-in-one monoblock or a complete turnkey production line, everything we do is tailored to the specific needs of the customers and their industries.

## PARTNERING WITH US



Shemesh Automation manufactures premium filling and packaging machinery for both flexible and rigid packaging. We engineer a complete range of individual and end-to-end systems that make your production faster, smarter and more cost-effective. Our products offer long term reliability & accuracy and therefore minimum downtime, bundled with strict waste management, product protection and certifications, quality control and worldwide service and support representing great ROI. We do this all under one umbrella leveraging our innovative approach and engineering expertise.

Our customers don't simply get a machine, but the support, experience, knowledge, reliability and integrity of a company who are at the forefront of automation.

**“Let Us Build Your Vision”**

is not just our slogan, rather this is what we do day in, day out!

“

“As the leading brand in sanitization and hygiene products, an impeccably clean packaging process is imperative. Also, in such a competitive market, achieving maximum process efficiency is crucial to maintaining our competitive edge. We were so thrilled at how Shemesh's Sambax-Z monoblock achieved both of the above that we did not hesitate to return to Shemesh a year later when we needed a complete sanitisers filling line. Their machines, service, and industry knowledge really are second to none”.

**Ron Hoffman, Director of Operations,  
Durisan, USA**

## GLOBAL REPRESENTATION



Shemesh Automation has its headquarters in London and operates an R&D center and two manufacturing facilities in Israel. It has two operating locations in France and the USA, as well as trained sales and service representatives in 13 locations worldwide. We support our customers locally through professional representation networks, helping us to achieve a highly effective presence worldwide.

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Watch Me



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*Let us build **your vision***