SAMBAX SERIES

SHEMESH AUTOMATION
PRUDENT PACKAGING SOLUTIONS

INDUSTRY 4.0 READY

Truly universal Monoblock packaging machines for medium, small and extra-small containers and vials.

- **Applicable to containers and vials of most common shapes in the pharmaceutical and cosmetics industries**
- **Auto Feed, Fill, Seal, Cap & Over-cap with Labelling and QC**
- **Single and double-lane systems available for speeds of up to 100ppm**
- **Sambax-Z model available for extra-small containers and vials**

OVER 30 YEARS OF EXCELLENCE

Let us build your vision

The **SAMBAX Series**' all-in-one monoblock design meticulously encompasses all aspects of your core production needs, from containers multifeeding, double servo-driven viscose filling, capping, over capping, sealing, labeling, discharging and QC.

SAMBAX SERIES

With dedicated models for almost every common type of medium **(SAMBAX),** small and extra-small **(SAMBAX-Z)** containers and vials, the **SAMBAX Series** is your all-in-one pharmaceutical and cosmetics production unit.

Quick **fact sheet**

SAMBAX and SAMBAX-Z

- **SAMBAX** model for medium containers and vials ranging from **350ml to 5 Litres**
- **SAMBAX-Z** model for small and extra small containers and vials ranging from **350ml to 5ml.**
- **Western European Pharma grade machine build standard**
- Fully-automatic feed, fill, pick & place cap and overcap with QC. Thermal or induction seal, caps or nozzles "insertions" as well as labelling & coding available as an option
- Models throughput range from **20ppm up to 100ppm.**
- **Festo (Gemany) Double Servo** Filling technology both in the pistons and the **diving nozzles** for production consistency and a **staggering +/-0.25% of liquid volume accuracy**
- **INDUSTRY 4.0 READY:** SECOMA Site Manager 1139 modem, integrated into the machine HMI to enable SMART remote support, live stats and performance analysis as well as manufacturer enhancement feedback
- Entire machine is **Stainless Steel 316L.**
- Stainless steel, no-screws sanitary welding for all liquid pipes. Liquid smart filling tank made of 316L stainless steel, with electro polish finishing.
- All flexible piping is **FDA approved.** No screws in nozzles. Tri-clamp connections.
- Built in CIP. (Clean in place). Built in **Spray balls** for **enhanced CIP**
- Round, hermetically-sealed tank design. "Double-jacket" heated tank, built in agitators - an option
- Up to 20 programmed product recipes
- Doors and top cover made of Lexan or Polycarbonate.
- **Sub 1% machine defect rate**
- Cost effective, time efficient Line maintenance, cleaning and changeover. Filling auto flushing mode available for up to 95ºC (203ºF) hot liquid

STANDARD SPECS

- **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
- **BANNER** sensors
- **E-stop** buttons and safety interlocks wired through **CAT IV** safety controller.
- **CE Marking**

For a full demo of the SAMBAX in action please visit us at www.shemeshautomation.com

The **SAMBAX** Series is the latest in a series of bestselling Monoblocks from Shemesh Automation, building on the success of the **CITADEL** and **XPANDER** Series'.

Photo: Shemesh Automation SAMBAX– monoblock auto feed, fill, cap and over cap for vials.

"Strict waste management, minimum downtime and space design, safety, product protection, operational flexibility and long-term reliability are in the core DNA of our product portfolio and engineering mindset."

Nir Baram, Vice President LATAM Sales, Global After Sales & P.M. Shemesh Automation

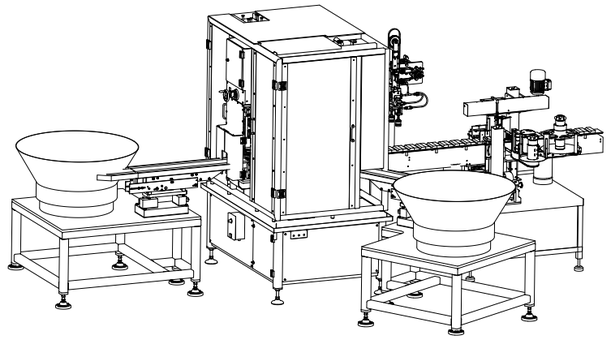
The **SAMBAX** series is available with a **Double-Servo** Filling upgrade for enhanced production consistency and accuracy featuring fully synchronised **Festo (Germany)** servo-driven pistons and servo-driven **diving nozzles.**

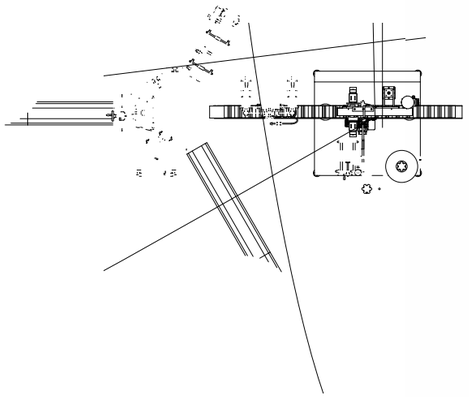
A fully-integrated, Shemesh-made, automatic **STRATUM** filler & **THORO** capper basic line for strawberry sauce.
More advanced automation can also include automatic feeders, sealers, advanced QC, case packing and more – all under ONE umbrella and made by Shemesh.

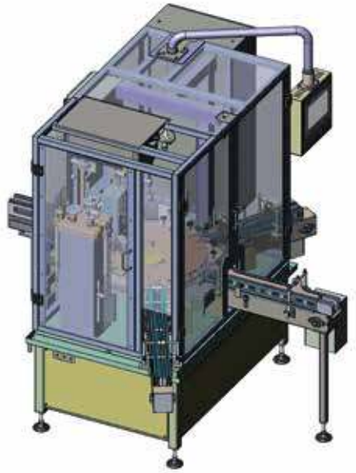
Basic indicative **SAMBAX Series** layout

Generic SAMBAX Layout

1. Automatic Feeder for containers
2. SA **SAMBAX Z** Monoblock - Automatic Filling and Capping with QC
3. Automatic Feeder for Caps
4. Caps Linear Vibration Feeder
5. Rejects Conveyor
6. Pick and Place Manipulator
7. Optional: LWA Containers labeller







Durisan

"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 collaborates with teams on complex Fortune 500 projects and has gained not only a proven and trusted network to put at your disposal, but also invaluable knowledge to help drive your projects.

We share our expertise to guarantee the maximum productivity of your machinery. Our global network of sales representatives and After Sales service specialists offer you flexible and efficient support. Our highly-qualified technicians ensure a fast solution whenever and wherever you need it.

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For all sales enquiries please contact us via **sales@shemeshautomation.com**

ATEX

ANTI-CORROSION

Explosion Proofed & Corrosion Proofed

Corrosive or alcohol-based solutions dictate that your equipment is duly fitted to professionally handle these delicate environments. Years of experience in the field made it possible for us to tailor you the exact protection so your production is safe and stable while your people and equipment are well protected keeping your facility at the top of the range.

All of our machines are constructed using SST 304/316L, and are available with anti corrosive proprietary coating. As well as the machine base, all vital parts such as nozzles and pumps are also specially treated.

SHEMESH AUTOMATION'S FGW-120 FILLING MACHINE WITH COMPLETE EXPLOSION (EX) AND CORROSION PROTECTION

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