Bottle Sterilisation Machine
ASB Series
The highly flexible Hygiene Bottle Sterilisation Machine, from the series ASB, is solidly built and easy to operate. This series is designed for a very high hygienic standard and provides sensitive filled and sealed products with a long shelf-life. The ASB series is available with an output speed of between 1,000 and 15,000 bottles per hour, depending upon the microbiological contamination level of the bottles, volume, and shape.

The stations are designed with high flexibility and all functions are fully servo driven, pneumatic driven, frequency-controlled motor driven, and controlled from the control panel.

### Bottles Sterilisation Machine – The Principle Function:

The Bottles Sterilisation Machine can be used in:

- Juices filling lines
- Milk filling lines
- Yogurt filling lines
- Ice cream filling lines
- Mayonnaise filling lines
- Ketchup filling lines
- Honey filling lines
- Jam filling lines
- Tahina filling lines
- Salad dressing filling lines
- And many similar product filling lines
### Machine Frame

The highly hygienic machine frame is one of the most important parts of the sterilisation machine. The machine table is built as a bevelled machine table for preventing standing wash water. If wash water is standing on the table and is not drained quickly and completely, microorganisms can grow in the water. These microorganisms can contaminate the product and will shorten its shelf life.

The table is fully welded to prevent penetration of cleaning water into the machine base (machine foot).

The door covers are made from tempered glass, adhered into a stainless steel frame. Glass can never be electrostatically charged like the polycarbonate doors. An electrostatic current allows unsterile dirt cling to the door when opening.

When closing the doors this unsterile dust will be shaken off the door, fall into the clean filling machine, and contaminate the filling area.

### Clean Air Unit

Clean air is necessary to for the sterilisation process of bottles, to prevent contamination. The filter housing of the Clean Air Unit is built from stainless steel and protects the filter from wash water. Wash water can damage the filter, and mold or other microorganisms could grow through the filter, contaminating bottles in the sterilisation area.

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solidly built & easy to operate
Beth-El Machinery produces turnkey projects in the engineering and manufacturing of custom processing lines, pasteurisation, deaeration, product recovery systems, and homogenisation systems. Applications include fermentation, carbonation, control systems, and batch and continuous mixing and blending systems for various fields in the food, chemical, and pharmaceutical industries.

Beth-El Machinery’s process units, systems, solutions, and complete processing plants are a direct result of engineering expertise within core disciplines. Our goal is to apply these varied technologies in the most efficient and reliable ways to produce the highest quality process systems and plants available. Beth-El Machinery designs and manufactures the systems that, in turn, do the work for you.

**Core Expertise:**
- Liquid processing
- Mass & heat transfer
- Controls & automation
- Packaging Machines
- Sterilisation Units
- Ozone Water Units

**Beth-El Machinery Product Lines Include**

**The AFRB and AFRC series High Clean Rotary Filler and Capper**
These machines are designed for an extremely high hygienic standard, are able to provide products with a long shelf life, and have an output speed, depending upon the product, between 1000 and 12,000 containers per hour.

A servo driven CNC filling machine, is designed so that all functions are fully servo or pneumatic driven, operable from the controller panel, and have an output speed of up to 6000 containers per hour.

**The High Clean Continuous Bottle Cleaner**
From the AWC series, these machines have a highly flexible set-up and orientation which can accommodate containers with a variety of sizes and shapes, and incorporate a range of capabilities with an output speed of up to 15,000 containers per hour.

**The AFR series High Clean Filling**
These machines are designed for an extremely high hygienic standard and are able to provide products with a long shelf-life.

The output speed of the inline filling lines are capable of up to 3600 containers per hour.

**Custom Processing Line Engineering and Manufacturing**

Beth-El Machinery produces turnkey projects in the engineering and manufacturing of custom processing lines, pasteurisation, deaeration, product recovery systems, and homogenisation systems. Applications include fermentation, carbonation, control systems, and batch and continuous mixing and blending systems for various fields in the food, chemical, and pharmaceutical industries.