

Inline Cup Filler

AFIC - Series





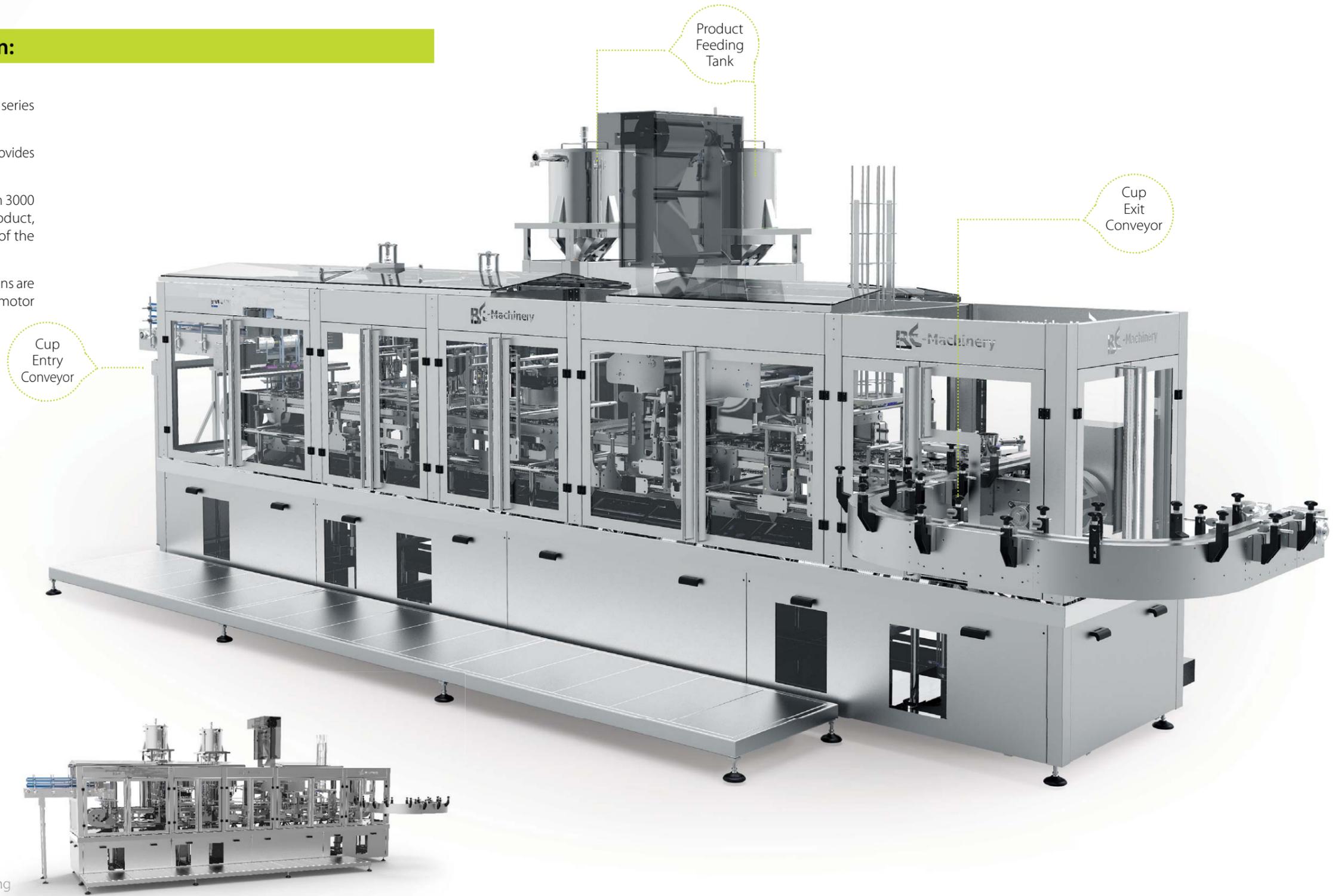
Inline Cup Filler – Principle Function:

The highly flexible and hygienic Inline Cup Filler, from the series AFIC, is solidly built and easy to operate.

This series is designed for a very high hygienic standard and provides filled and sealed products with a long shelf-life.

The AFR series is available with an output speed of between 3000 and 12,000 containers per hour, depending upon the product, volume, cup size, cup shape, and the head space inside of the filled container.

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.



Inline Cup Filler – Can be used for:

- > Juices
- > Milk
- > Yogurt
- > Ice cream
- > Mayonnaise
- > Ketchup
- > Honey
- > Jam
- > Soft cheese
- > Hummus
- > Tahina
- > Salad dressing
- > And many similar products



Filling Machine Features:

Machine Frame

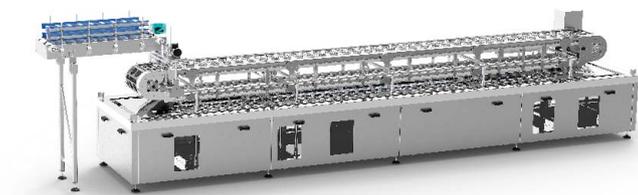
The highly hygienic machine frame is one of the most important parts of the filler. The machine table is built with a beveled surface for preventing standing wash water. If wash water is standing on the table and is not drained quickly and completely, microorganisms can grow in the water. These microorganisms can contaminate the product.

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

Door Covers

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

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

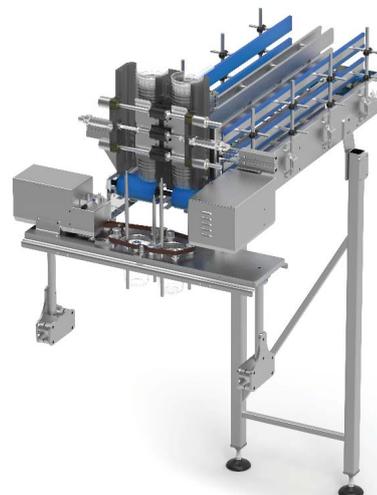


Cup Entering Station

The cups are fed as cup stacks on the "Cup In Feed Conveyor".

The cup conveyor is feeding the Cup Entering Station continuously with cup stacks.

In this way the machine can run for up to 30 minutes without feeding new cup stacks.



Cup Entry Station

The Cup Entry Station is easily and quickly adaptable for different cup sizes. The station can be equipped with a cup sterilisation unit.



Dosing Unit Features

The highly hygienic, servo driven dosing unit is designed to fill highly sensitive and viscous products. The unit is fully controllable from the filling machine controller. The dosing unit can be equipped with a pressure tank up to 2 bar. The cleaning of the dosing unit can be made fully automatic.

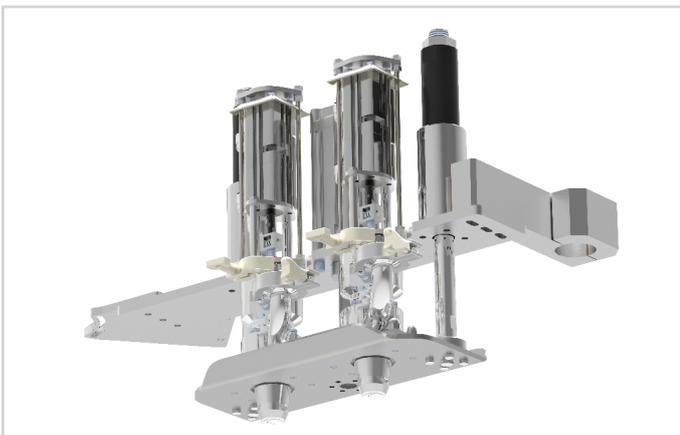
There is also the possibility to get the dosing unit as an internal dosing unit.



Filling Unit

The high clean filling nozzles are designed for highly sensitive, highly hygienic products. The filling nozzles are equipped with the "Seal Back Space Cleaning System". This system can be pressurised during the filling process to keep the nozzle shaft sterile by opening and closing the nozzle.

The filling nozzles can be cleaned without dismantling, from a CIP Station / Unit or any other CIP Supply Unit.



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Spice Dispersing Unit



The Spice Dispersing Unit can put dry spices on top of the filled products. By changing the bottom plates the design of the spices on the product can be changed.

The spice funnel can be easily removed for cleaning and emptying after production.

Cup Sealing Unit

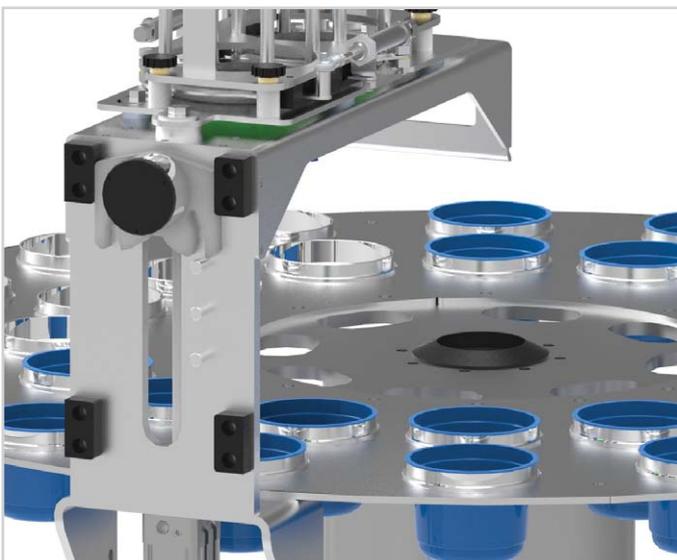


The Cup Sealing Unit seals the cups with foil.

The complete unit is quickly removable for cleaning, maintaining, or changing the welding units to another diameter.

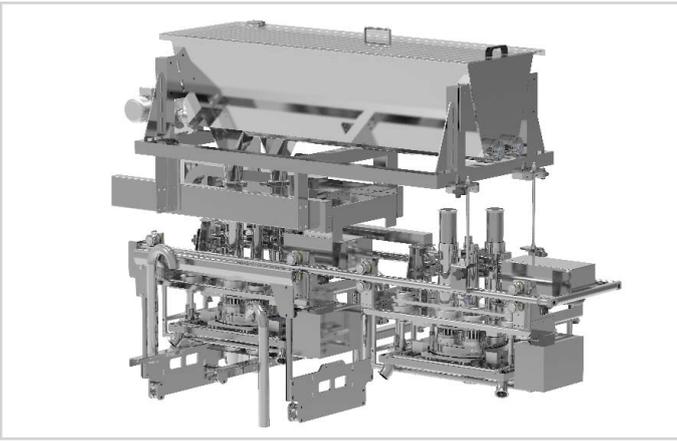
The change can be made quickly and safely, without tools.

Cup Lid Adding Unit



The Cup Lid Adding Station is easily and quickly adaptable for different cup lid sizes.

Salad Filling Station



Fully automatic cleanable Salad Filling Station, for many different products like fruit salads, vegetable salads and more...

The Salad Filling Station can adjust the volume during the filling process.

Cup Exit Station



The Cup Exit Station brings out the cups from its undercarriage and transfers them to the conveyor.

Clean Air Unit



Clean air is necessary to fill products without preservatives. 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 both the filling area and the product.

solidly built &
easy to operate



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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



Core Expertise:

Liquid Processing

Mass & Heat Transfer

Controls & Automation

Packaging Machines

Sterilisation Units

Ozone Water Units

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