





◀ *Bambino FS with filling and stoppering stations.*

▼ *Bambino A with special crimping knife.*



## Bambino FS

The Bambino FS, pictured above and to the left is configured to fill and plug vials with filling accuracies of  $\pm 0.5\%$ . Using a "Watson Marlow" peristaltic dispenser\* up to 26 dispensing programs can be stored and retrieved through the membrane keypad mounted with the pump assembly. Product is transferred to the vials via tubing and s.s. 316 nozzles using a mechanical bottom-up fill system. This prevents any splashing or foaming of the product. Once filled, vials are moved to the mechanical plugging station where

(\*Other peristaltic dispensing pumps are available.)

oriented plugs delivered from the vibratory bowl and chute are positioned and pressed into place. Finished vials are moved to the outfeed tray from the starwheel by a simple internal arm for further processing by the operator.

Sensors are included to detect missing bottles, the lack of a cap or plug and to detect when the outfeed tray is full. If any of these conditions occur, the machine automatically stops.



## Other Features

- **Raised Working Surface with Wrapped Edges** - to protect internal components, and motors in case of spills.
- **No Tool Changeovers** - to speed setup and reduce production downtime.
- **Overload Detent System** - automatically stops the equipment in the event a fallen container jams the starwheel.
- **Large Mushroom Emergency Button** - to allow operator to rapidly shut down the machine in the event of a problem.
- **Stainless Steel Enclosed Sensors** - to protect sensors and wiring.
- **Numerically Controlled Height Adjustment** - to simplify and speed set-up at the plugging and capping station.
- **Interlocked Electrical Access Doors** - opens to allow full visibility and easy maintenance.
- **Universal Infeed Tray** - eliminates adjustments when changing bottle sizes.
- **Low Profile Starwheel** - to prevent air turbulence and allow operation when there is laminar flow over the open vial.
- **Partial Insertion of Rubber Stopper** - for freeze drying operation.
- **Stainless Steel and Anodized Aluminum Construction**

## Optional Equipment

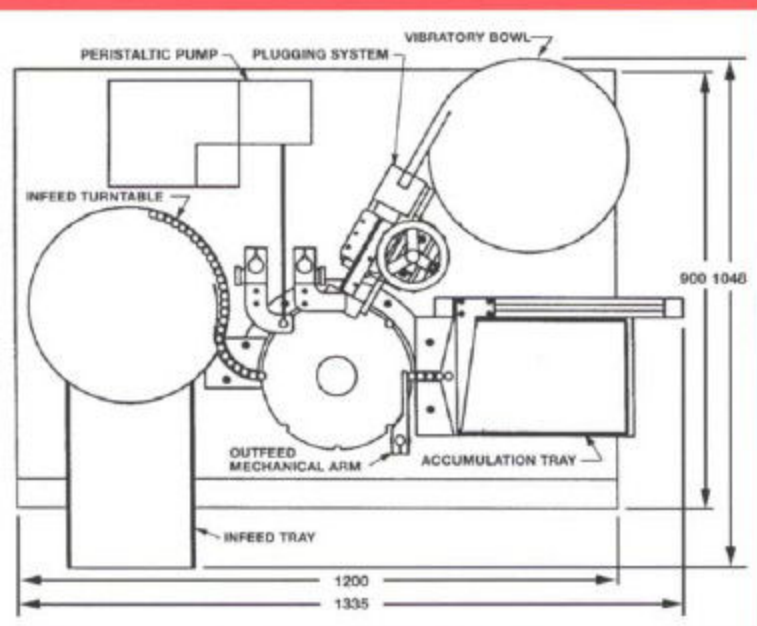
To satisfy the wide range of production requirements used today, the Bambino can be configured for most filling, plugging or capping operations with one or more of the following options.

- Mobile s.s. table with casters and brakes.
- Interlocked doors.
- Nitrogen purge nozzles.
- Silencer covers for vibratory bowls.
- Automatic reject station for containers with missing product, plugs or caps.
- Eurogard (safety enclosure).
- Laminar flow system.
- Positive displacement piston filling system.

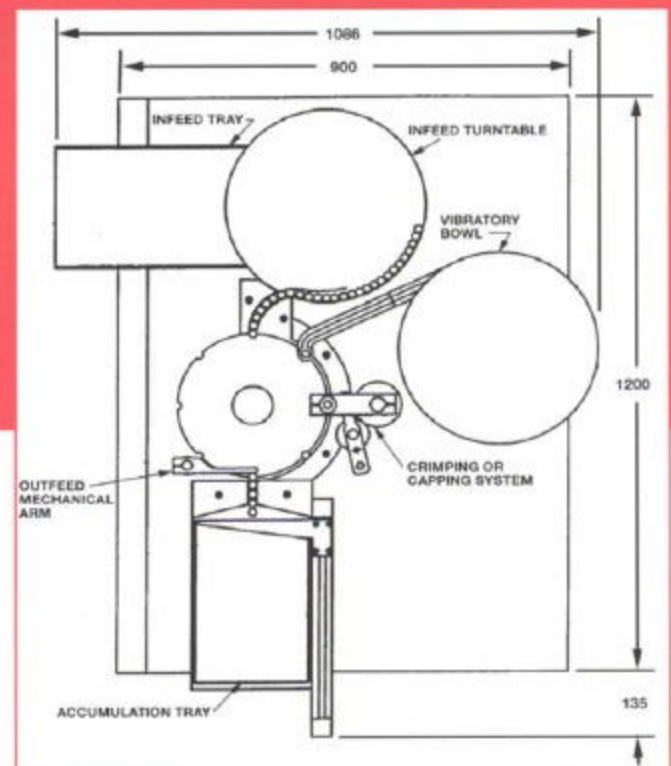
### Specifications

	minimum	maximum
■ Bottle Diameter:	10 mm (0.4")	40 mm (1.6")
■ Bottle Height:	20 mm (0.8")	100 mm (3.9")
■ Filling Capacity:	0.5 ml (0.017 oz)	30 ml (1.0 oz)
■ Size (HxWxL):	780 x 1086 x 1335 mm (31" x 43" x 53")	
■ Speed:	15 - 50 BPM	
■ Filling Accuracy:	±0.5%	
■ Weight:	454 kg (1,000 lbs)	
■ Power Supply:	120 V AC, 1 phase, 60hz	

## Basic Layouts



▲ Bambino FS



▲ Bambino A