



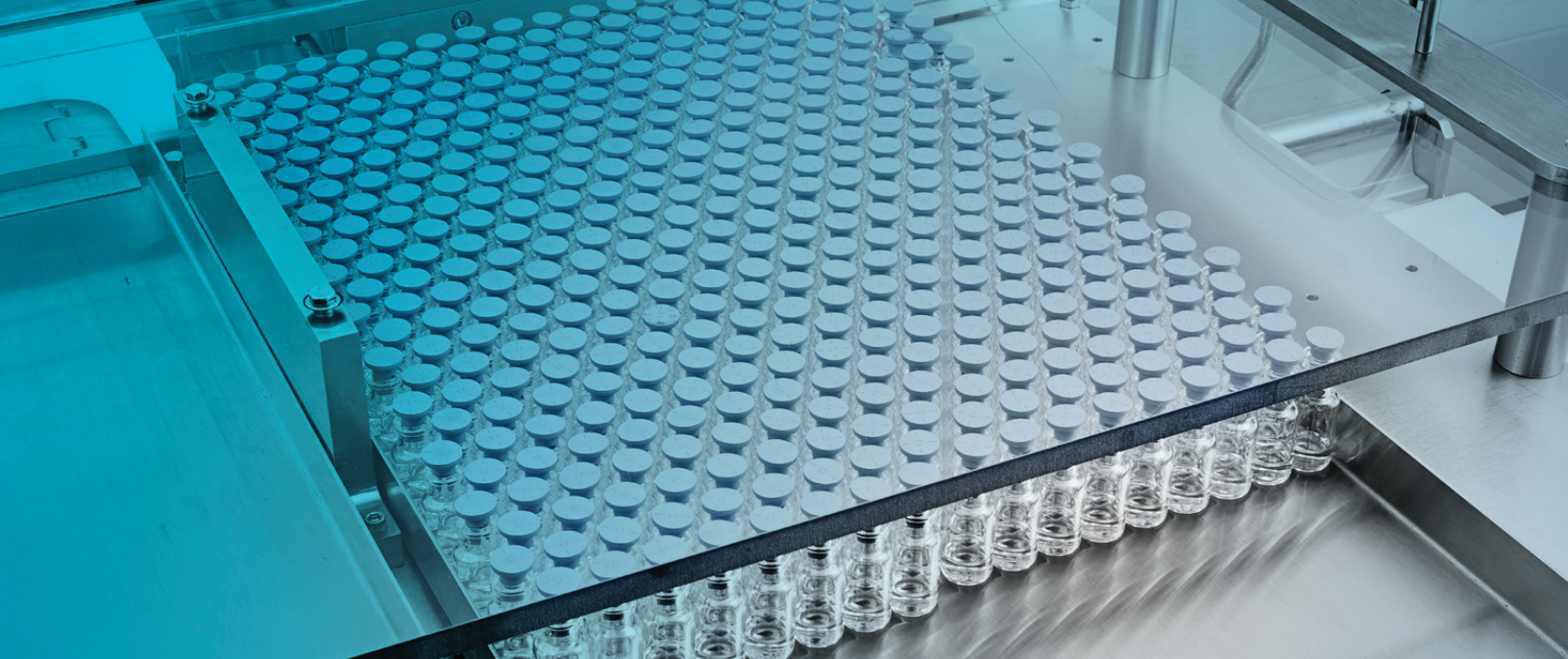
BT15 – AUTOMATIC TRAY LOADER

The BT15 Tray Loader is a heavy duty, high performance machine designed for the loading of vials into trays after the filling process. With fully or partially inserted stoppers, the filled vials are gently loaded into 3-sided trays. This machine has been specifically designed for the use in a class 100 clean room environment.

Each machine is adapted for your specific application and handles a variety of tray sizes. A vial pusher is custom designed to fit your tray's loading width. Trays of different width require additional pushers as change parts. Vials less than 5/8" OD are controlled with a vial stabilizer (optional) to ensure smooth, reliable handling.

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OPERATING PRINCIPLE

The BT15 is provided with a shuttle table that holds two trays simultaneously. While one tray is being loaded with vials, an operator places an empty tray into position. The shuttle table is servo motor driven and can be shifted back and forth during loading, allowing for a stagger pattern if desired.

Traying patterns may be stored in the PLC memory and recalled as needed. This includes the number of vials per row and number of rows, usually based on tray dimensions and the vial diameter.

The tray loader has a stainless steel exterior and a raised sanitary conveyor bed with a Delrin table top chain.

SPECIFICATIONS

Container Diameter	1/2" (13mm) to 2-1/2" (63.5mm)
Container Height	1-1/4" (31.8mm) to 4" (101.6mm)
Tray Type	10" (254mm) to 20" (508mm) wide up to 36" (914mm) long
Machine Speed	Up to 20 rows per minute
Containers Per Minute	Rows per minute x number of vials per row
Feed	Left to right
Conveyor Height	32-1/2" (826mm) to 37" (940mm)
Electricals	120V; 60Hz; 1 Ph.
Net weight	625 lbs (248kg)

STANDARD FEATURES

- No tray/no loading
- Automatic advance of empty tray when working tray is full
- No splashing or tripping of containers
- Variable machine speed to match production rates of upstream equipment

OPTIONAL FEATURES

- Automatic make-up system ensures adequate vial supply
- Laminar flow hood enclosure
- Feed-through conveyor for processing non-lyophilized vials