# Fragrance: Puck Loading & Capping
## Tray Unloading

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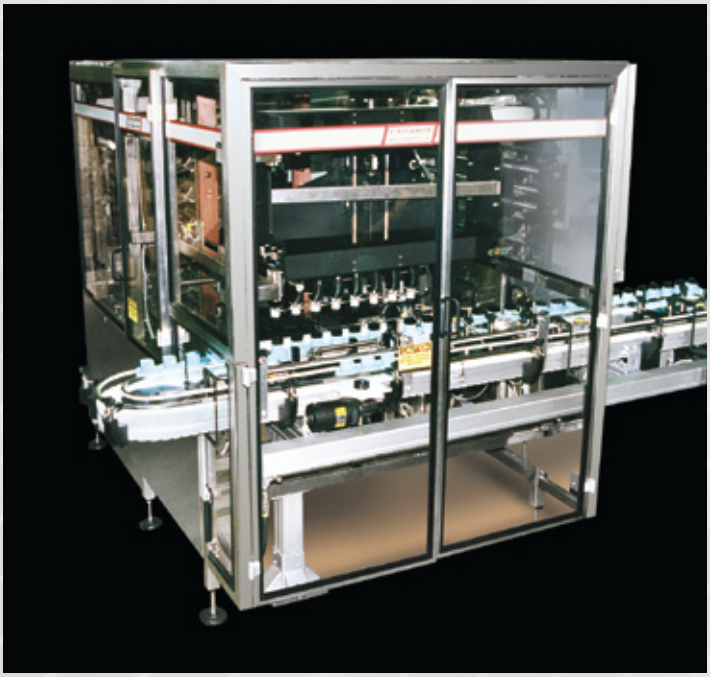

### Project Brief

A machine removes glass bottles from trays and loads them into pucks. A similar machine removes caps from trays and snaps them onto bottles while in pucks.

Trays of various materials (corrugated, plastic and aluminum) and of various dimensions (height, width and length) are manually loaded into a lowering magazine. Components, bottles and caps are configured on the trays in a variety of matrix patterns, with a different number of rows and parts per row changing from one SKU to another.

The magazine adjusts to accommodate the varying trays. The entire end effector changes or change part spacers are used to accommodate different quantities per row. The tray is moved out of the magazine and into position below the pick and place. The pick and place lowers down the end effector and removes components from the trays and transfers them to the matting component.

The pitch between the components changes as the parts are being transferred to match that of the components in pucks. Pucks are indexed in and out of a loading position while on the conveyor via a starwheel. Parts are inspected as they exit the machine. Rejected parts are removed from the production line.

### Machine Data

- Adjustable tray magazine
- 2-Axis (X-Z) pick & place
- Multi-head detachable end effector
- Vacuum & pneumatic grippers
- Center to center pitch change
- Inspect/reject device
- Speed range: up to 20 cycles/min

### Standard Features

- Stainless steel construction
- Anodized aluminum components
- Complete interlocked guard package
- Fast tool-less change-over
- PLC-controlled sequence logic
- Operator interface terminal
- Color-coded light column

### Other Uses

- Cartoner and blister loading, de-pucking, and tray loading

### More Information

For more information on this, and many other Farason projects, please visit our website at www.farason.com or call us at (610) 383-6224.