

Solder Paste: Insert Placements

Inserting & Plugging

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Project Brief

Sort, feed and place plastic inserts into solder jars. This machine utilizes Hoppmann Model LB-3 Prefeeder and Hoppmann Model FR-20 Centrifugal Feeder. Inserts are preoriented and fed from the feeder out onto a conveyor and down a pick off track.

Jars are removed from the conveyor and enter the machine by means of an indexing starwheel, positioned on center of the conveyor. Inserts are then removed by a 2-axis reciprocating pick and place mechanism via vacuum and transferred into the jars.

Subsequently, a tamping device completes the assembly by applying downward force to fully seat the insert. Insert presence and depth is verified prior to moving the jar back onto the conveyor. Rejected jars are directed onto a collection tray.

Machine Data

- Centrifugal parts feeder
- Rotary/intermittent motion
- 2-axis (X-Z) pick & place
- Vacuum end effector
- Placement & depth verification
- Reject/eject drive
- Speed range: up to 60 PPM

Standard Features

- Stainless steel construction
- Anodized aluminum components
- No painted surfaces
- Fast tool-less change-over
- PLC-controlled sequence logic
- Operator interface terminal
- Color-coded light column

Other Uses

- Plugging, overcapping & puck loading

More Information

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