



Rotary Spout Inserter System

Model: NERSI



Close up of inserting area

NERSI Snapshot

- Tubular 304 stainless steel welded frame
- 6061 aluminum
- Clean, non-painted, non-marring surfaces
- Soft start and stop features
- Electric push button height control
- Clear acrylic guarding doors
- Stainless steel covered lower base frame
- Jog switch with 10 foot cord
- Adjustable discharge height 36" +/- 2"
- High floor clearance
- Smoothed and polished welds
- Direct entrance and discharge to customer's constant speed, continuous motion, non-stopping conveyor
- Available in speeds from 40 spouts per minute (spm) to 300+ spm
- In-feed and backlog photo-eye
- Operations and maintenance manual (hard copy)



The NERSI Rotary Spout Inserter is a variation on the well-proven New England Machinery Rotary Chuck Capper (NERCC). On the Inserter System, instead of caps that must be sorted, placed and have correct torque applied, there are pour spouts that must be oriented $\pm 3^{\circ}$ and inserted only. No rotary torque is required. The spout mandrel travels on a cam, which ensures that every spout is inserted fully "home" and properly oriented before it is released.

Spout Inserter. The feedscrew accepts containers in single file from the customer's constant speed, non-stopping and continuous motion conveyor. Containers are fed from a backlog of bottles, through the feedscrew, then transferred to the infeed starwheel and into a rotary turret.

The pour spouts are initially delivered to a bulk supply hopper from which they are transported, by elevator, to the spout sorter bowl. The spouts exit the bowl in a straight line to the final orienter. From there they travel down a feed chute to the spout starwheel. At the pickup point, the spouts are transferred to the spindle mandrel heads. The heads rotate the spouts until they are properly oriented, then lowers them for insertion into the containers. To ensure a proper supply of pour spouts, an electric eye controls the automatic feed to the sorter. The high level / low level electric eyes on the chute control the feed. The container, with spout in place, is transferred into the discharge starwheel for release back onto the customer's conveyor for transport to the capper, filler or labeler.



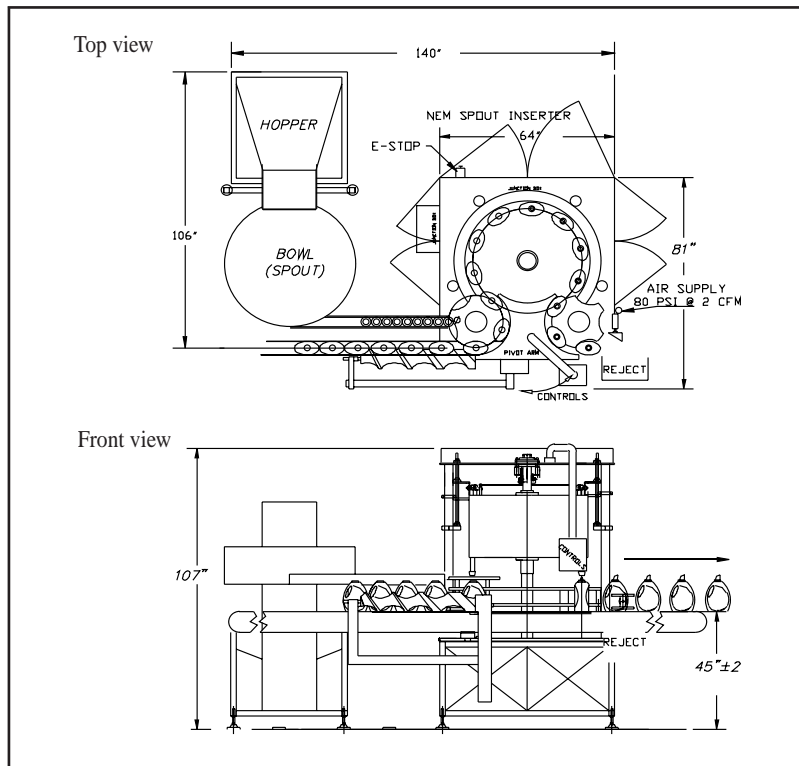
Close up of optional touch screen

New England Machinery, Inc.

Innovators In Container Handling Systems



NERSI Specifications



BENEFITS

- Easy changeover
- Continuous motion
- Smooth, safe spout handling
- For filled or empty containers
- Capable of extremely high speeds
- Accurately aligned placement of pour spouts +/- 3°
- High throughput utilizing minimum floor space

ELECTRICAL FEATURES

- NEMA-12 electrical
- 220 volt, single phase, 60 Hz, input requiring 30 amp service
- Backlog photo-eye with automatic stop & restart
- Safety interlocks

PNEUMATICS

- 5-10 cfm @ 80 psi, clean, dry, and oil-free compressed air

NERSI can be configured to any customer specification, upon request.

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Optional Equipment

- Anodizing
- NEMA-4 (wash down)
- NEMA-7 (explosion proof)
- Transformer for different input voltages & 50 Hz
- Minimum tools quick change feature
- Bottle per minute counter
- Spare parts kit
- Extended ranges
- HMI (human machine interface)
- PLC upgrade
- Quality assurance package