



Single Station Tandem Capper

Model: NESSTC



NESSTC Single Station Tandem Capping System (shown with optional hopper elevator and sorter bowl)

The New England Machinery Model NESSTC Single Station Tandem Capper is a complete capping system which includes the cap bulk supply, cap orienting and delivery, cap placement and tightening, and container ingress, staging and discharge onto the customer-supplied existing conveyor.

Featured in the design of this machine is a single capping station utilizing tandem indexing capping heads, a multi-position indexing rotary container starwheel, and one bulk supply orienting system. The NESSTC Single Station Tandem Capper provides a positive capping means in a compact footprint.

The operation of the NESSTC Single Station Tandem Capping System includes the retrieval of caps from the bulk supply hopper, which are then oriented by an elevator orienter, or by a sorting bowl, and transported to the cap pickup station. This single lane flow method provides simplicity in materials handling. The cap selection and application process is also straight-forward. Utilizing our patented Cap Chuck, caps are selected, gripped and applied to the customer's desired application torque. The Cap Chuck is designed to eliminate cross threading and outer cap surface damage while applying desired torques.

The combination of the multi-position indexing starwheel and tandem head is a solid machine platform to integrate and perform other sequential packaging processes, such as plugging, overcapping, labeling and inspecting. Contact New England Machinery for further details.



Close-up of capping area

NESSTC Snapshot:

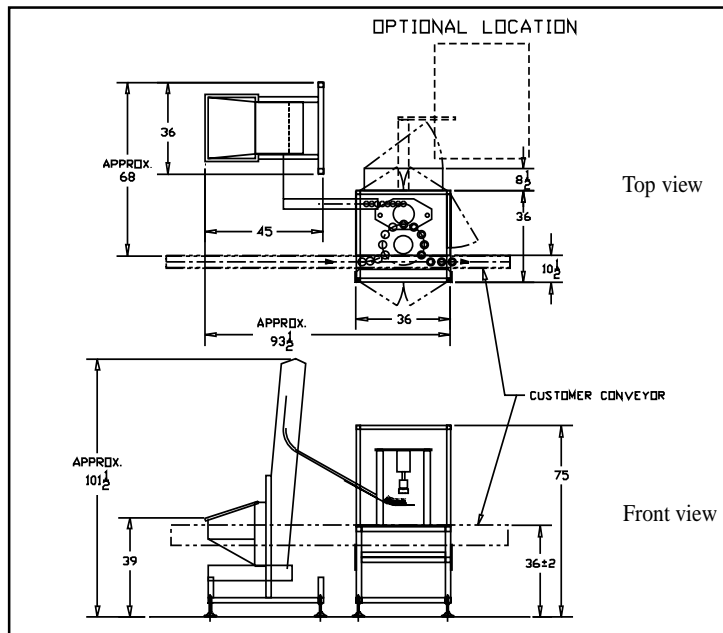
- Tubular 304 stainless steel welded frame
- 6061 aluminum
- Clean, non-painted, non-marring surfaces
- Easy changeover modular change parts
- Non-scuff collets for gentle, positive grip
- No tools quick change collets
- Torque adjustable without the use of tools
- Handwheel adjustments for bottle height change
- Clear guard with stainless steel lower frame cover
- Safety interlocks on all guard doors
- Adjustable discharge height 36" +/- 2"
- High floor clearance
- Smoothed and polished welds
- Operations and maintenance manual
- Direct discharge to customer's constant speed, continuous motion, non-stopping conveyor
- Utilizes customer's existing tabletop conveyor

New England Machinery, Inc.

Innovators In Container Handling Systems



NESSTC Specifications



BENEFITS

- Easy changeover
- Smooth, safe cap handling – no burning or marring
- Accurately aligned cap placement
- No clutch wear parts
- Handles a wide variety of caps including sport caps
- Accurate torque
- Container shapes and sizes from 30 ml to 3 liter
- Operational speeds up to 60 cpm
- Positive container handling via profiled Servo controlled indexing wheel
- PLC and Servo motion control for flexible application profiles
- Cap closures from 13 mm to 120 mm

ELECTRICAL FEATURES

- NEMA-12 electrical
- 220 volt, single phase, 60 Hz, input requiring 20 amp service
- Backlog photo-eye with automatic stop and restart
- Allen-Bradley Micro Logix 1200 PLC
- TEFC (totally enclosed fan cooled) AC Motors
- AC Drives

PNEUMATICS

- 5-20 cfm. @ 80 psi. clean, dry, compressed air

NESSTC single station tandem capper can be configured to any customer specification, upon request.

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Optional Equipment

- Anodized aluminum
- NEMA-4 (wash down)
- NEMA-7 (explosion proof)
- Transformer for different input voltages
- Missing cap/lid detector/container rejecter
- Change from standard discharge height 36" +/- 2"
- Left-hand discharge
- Low cap/lid level warning
- Digital container counter (bottles per minute)
- Additional emergency "E" stop(s)
- HMI (human machine interface)
- Low air safety shut off
- Spare parts kit
- PLC upgrade