



Lane Combiner System

Model: NELC



*NELC with parallel discharge
(Shown without guarding)*

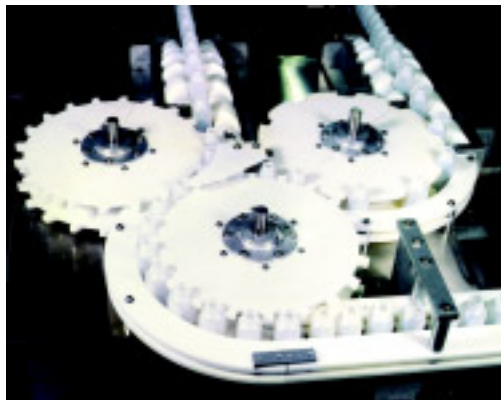
The Model NELC includes three distinct sections - dual lane container infeed, lane combining, and single lane discharge.

In the *infeed* section, two conveyORIZED lanes feed into two sets of counter rotating feed screws which space the containers into the appropriate pockets of the entrance star wheels.

In the *combining* section, each star wheel places containers into every other pocket of the discharge star wheel, resulting in every pocket being filled.

The *discharge* section moves the containers in single file from the combining star wheel to the discharge conveyor. Discharge can be at any angle between parallel to the incoming direction or perpendicular to the incoming direction.

The NELC Lane Combiner is a heavy-duty system, capable of speeds to 1000 containers per minute depending upon container design. By use of "change parts" the NELC is capable of handling a wide variety of container shapes and sizes. The NELC can also be constructed as a lane divider.



*NELC with perpendicular discharge
(Shown without guarding)*

NELC Snapshot:

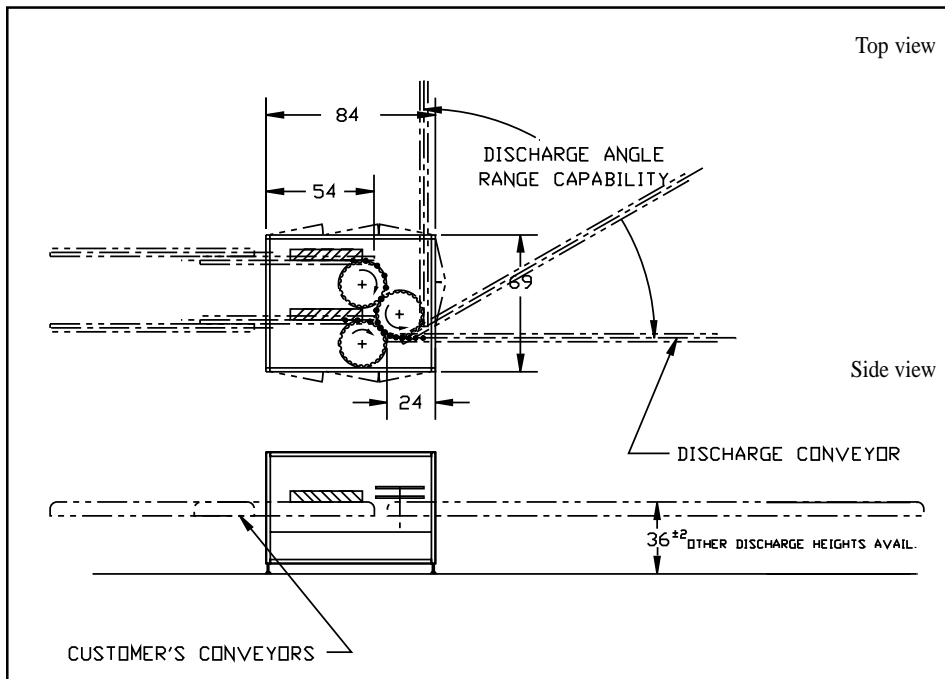
- Tubular 304 stainless steel welded frame
- Tumbled 6061 aluminum
- Clean, non-painted, non-marring surfaces
- Soft start and stop features
- Clear plastic guarding doors
- Stainless steel covered lower base frame
- Jog switch with 10 foot cord
- Adjustable discharge height 36" +/- 2"
- High floor clearance
- Smoothed and polished welds
- Operations and maintenance manual
- Direct discharge to customer's constant speed, continuous motion, non-stopping conveyor
- Precision engineered starwheels and feedscrews
- Safety interlocks on all guard doors

New England Machinery, Inc.

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NELC Specifications



Optional Equipment

- NEMA-4 (wash down)
- NEMA-7 (explosion proof)
- Transformer for different input voltages & 50 Hz
- PC interfacing with customer's master controls
- Bottle per minute counter
- Spare parts kit
- HMI (human machine interface)
- PLC upgrade

BENEFITS:

- Easy changeover
- Continuous motion
- For filled or empty containers
- Capable of speeds to 1,000 cpm
- Handles glass or plastic containers

ELECTRICAL FEATURES

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

NELC Lane Combiner can be configured to any customer specification, upon request.

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