



Linear Automatic Unscrambler Model: NOL



The Model NOL Unscrambler from New England Machinery represents a time proven concept for unscrambling plastic containers. This machine layout allows fast and easy access for container loading, size changeover and maintenance.

Containers exit the sorter bowl at the same level as final machine discharge and are oriented to a base leading configuration by one single mechanical device, and are ultimately uprighted by an uprighter cam. Containers are fully captured by soft and gentle padded or polyurethane belts (as applicable) throughout the workflow, minimizing the opportunities for container scuffing or other damage.

Versatility - The Model NOL will unscramble straight-walled, square, rectangular, round or oval containers at speeds up to 650 containers per minute, dependent on container size and configuration. The NOL is uniquely capable of handling small containers at the highest attainable speeds in the industry.

Rapid and Repeatable Changeover - A line operator can perform a complete container size changeover on the NOL in 15 minutes or less. The open machine design allows operators easy access to all subassemblies for fast and efficient size changeovers. The field-proven New England unscrambler design does not use pockets, rod cages, or pushers, further simplifying changeover time and expense.

Gentle Container Handling - The belt transfer system minimizes the opportunity for container scuffing or other damage. Delicate and pre-decorated containers are fully protected throughout the workflow of the machine.

Ease of Operation - The Model NOL operates on-demand with minimal operator interface. The machinery automatically responds to changes in container supply and downstream container demands.

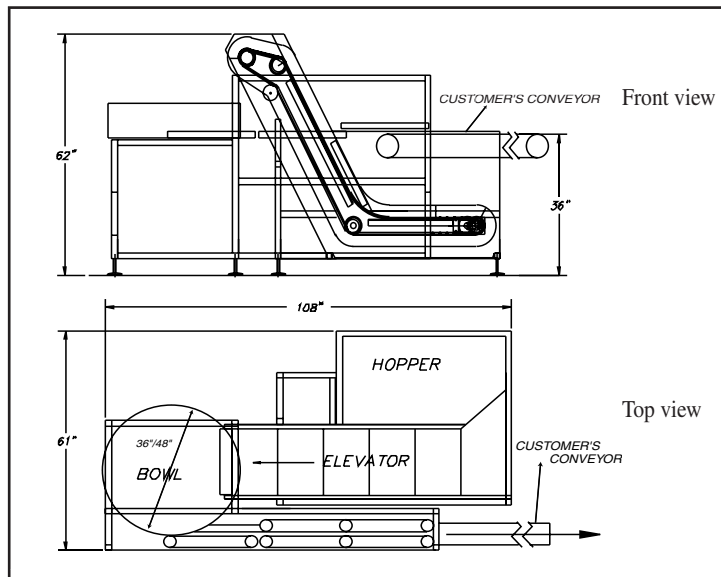
NOL Snapshot:

- Available with 36", 48", 60" or 72" diameter sorting bowl
- Well suited for small, delicate, straight-walled or oval containers
- Changeover in less than 15 minutes by a single line operator
- Straight-forward, linear unscrambling workflow
- Capable of speeds to 650 bottles per minute
- Gentle container handling features
- Compact footprint - less than 50 sq. ft. including hopper/elevator
- Fully automatic operation, responds to changes in container supply and downstream demand
- Eye level design - all functions easily accessed without ladders
- Includes hopper/elevator as standard feature

New England Machinery, Inc.
Innovators In Container Handling Systems



NOL Specifications



Easy access to all subassemblies for fast and efficient size changeovers. Shown with optional remote electrical panel.

ELECTRICAL FEATURES

- NEMA-12 electrical
- 220 volt, single phase, 60 Hz, input requiring 30 amp service
- Backlog photo-eye with automatic stop and restart
- Allen-Bradley® Micro Logix 1000 PLC
- TEFC (totally enclosed fan cooled) AC motors
- Allen-Bradley® AC drives

PNEUMATICS

- 5-10 cfm. @ 80 psi. clean, dry, compressed air (without air cleaner)

NOL Linear Automatic Unscrambler can be configured to any customer specification, upon

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Optional Equipment

- Anodized aluminum
- NEMA-4 (wash down)
- NEMA-7 (explosion proof)
- Minimum tools changeover
- Left-hand discharge
- Digital container counter (bottles per minute)
- Additional emergency "E" stop(s)
- HMI (human machine interface)
- Low air safety shut off
- Low hopper level indicator
- Polycarbonate guarding as upgrade from clear acrylic
- Spare parts kit
- Caster wheels
- PLC upgrade
- Backlog sensor motion detector
- Three speed mode
- Extended range
- Machine status light post
- Built-in ionized air container rinser
- Transformer for different input voltages