



## Hopper/Elevators

Model: H/E



*NEM 250 Cubic Foot Hopper/Elevator*

New England Machinery, Inc. (NEM) manufactures a full range of bottle and parts elevators and lowerators to meet your needs. Specialists in both standard and custom designs, NEM is ready to design to your specifications and allow you the greatest flexibility in line layout and supply.

### Standard Hoppers

New England Machinery's standard product line of Hopper/Elevators ranges from 5 to 500 cubic feet. Special multi-feed silo units can provide up to 1000 cubic feet of container storage. Hoppers from 5 to 60 cubic feet are static and rely on gravity. 100 cubic feet or greater are intended to move volume, thereby incorporating a "live" bottom moving belt (the 60 c.f. is offered with an optional live bottom).

Our remotely located Hopper/Elevators can be incorporated to supply your product line through our overhead conveyor system, thus providing maximum line layout.

Dribble/trickle feeding can be obtained through NEM Hopper/Elevators or overhead conveyors with our AC variable speed controls. Our Hopper/Elevator can be utilized to deliver multiple sizes and shapes of components.

Our standard stainless steel bin and elevator construction provides components with clean non-painted contact surfaces as they are transported. Our high floor clearance gives you easy access for quick cleaning.

An optional clean out system allows the Hopper belt to be reversed, and components to exit via a trap door at the back or "loading end" of the elevator. This is extremely helpful when necessary to clear components from the Hopper at the end of a run.



*NEM 500 Cubic Foot Hopper/Elevator with optional safety door*

### H/E Snapshot:

- Designed for feeding: bottles, caps, pumps, scoops, parts, plugs, tips, lids, actuators, etc.
- All contact surfaces 304 stainless steel or FDA approved plastic
- 5 to 500 c.f. standard size hoppers
- Custom hopper sizes, elevator lengths and delivery systems
- AC variable speed
- Photo electric monitoring and activation
- Anodized 6061 aluminum and 304 stainless steel construction
- Clean, non-painted, non-marring surfaces
- Smoothed and polished welds

**New England Machinery, Inc.**

*Innovators In Container Handling Systems*



## Hopper/Elevator Specifications

### Cap and Small Component Elevators

Loading the vibratory hopper on the top of a capper has always been an unpleasant and ergonomically unsafe task for line operators. New England Machinery's floor level hopper and vertical elevator can deliver caps and small components to any height while the hopper bin remains at floor level reducing the chances of injury.



### Dual Cap Sorter Hopper Elevators

NEM has designed the ultimate in versatility!

It is a Dual Belt System which eliminates the need to change belts due to cleat pitch change to accommodate proper orientation from different cap size ranges. The dual belt has many quick change features built into its versatile design. With minimum adjustments the belts can be set up to handle certain size caps and the dormant side will recycle the caps back into the bin.



The Dual Cap Sorter also has a cap chute which is fully adjustable with the ease of some adjusting knobs on the side guides. These are slotted to accept and provide adequate clearance for a full range of caps running from 18mm to 63mm. The Dual Bin comes in various size ranges. A specific model will be engineered to the cap range sizes that your company is running. The upper and lower chute escapements stay stationary. When changing over to each size the lower chutes are easily attached for minimum amount of down time. The slip pin provided is quick and easy to use. NEM can custom engineer a Dual Belt Cap Sorter for your application.

#### **ELECTRICAL FEATURES**

- NEMA-12 electrical
- 220 volt, single phase, 60Hz input requiring 15 amp service
- AC variable frequency drives

*H/E can be configured to any customer specification, upon request.*

### Optional Equipment

- Rotary beacon operator alerts
- Full covers
- Gaylord dumpers
- Low profile designs available
- Overhead conveyors
- Multi-feed silo systems
- Clean out trap doors
- Pharmaceutical and food grade finishes

### Lowerators



In order to maximize the use of floor space on the production line, two level mezzanine production facilities are often the answer. To meet this new challenge, New England Machinery has developed a line of container and component "Lowerators". Their function is exactly what the name implies, the components are lowered from an upper level to the equipment below. The advantage of this system is that unlike a chute or tube, the Lowerator will allow your components to be gently carried down to the equipment being supplied, and then dribble/trickle fed into your system.

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