



## Monoblock and Inline Intermittent-Motion Indexing Packaging Solutions

### Nalbach Specialty Packaging Machines



*Nalbach Engineering's Specialty Packaging Machines Save Labor Cost, Floor Space, and Increase Quality.*

Specialty Packaging Machines are used for packaging rigid containers that include filling of liquid or powdered cosmetics, food, pharmaceutical, household and industrial products. Designed to save plant floor space, reduce the number of operators, provide container control, and increase quality. These Nalbach indexing systems are very cost effective compared to using individual, freestanding machines.

Single, double and triple indexing systems can be used to handle any and all rigid containers up to one-gallon (3.78 liters) capacity. They are capable of performing several packing line functions automatically, at moderately fast production rates.

The versatility of Nalbach Specialty Packaging Machines makes them far more space-efficient than individual machines for each of the operations to be performed. And, accordingly, they reduce labor costs.

Nalbach will take full "turn-key responsibility" to provide design and floor plan recommendations based on your specific needs. Each machine will be thoroughly tested to your satisfaction at our plant prior to shipment.

### Benefits

- Labor efficient designs provide fully automated container handling, component feeding, filling and capping.
- Cost efficient designs insure peak utilization of a single container handling mechanism, substantially reducing the unit cost compared to individual packaging line machines.
- Space efficient designs integrate all packaging line components onto one machine reducing floor space requirements by 20 to 30 feet or more compared to a series of separate packaging machines.
- Increase product quality with a completely integrated system. Each machine component is designed by Nalbach for your product's unique requirements. No need to "figure out" how to get several different machines to work together.

### About Nalbach Engineering Company

Founded in 1945, our Company has earned its dominant reputation for quality and performance in the design and manufacture of a complete line of powder filling equipment and plastic bottle unscramblers. In addition, we offer aerosol fillers, turnkey packaging lines, and system integration services. A member of PMMI since 1958, Nalbach Engineering has developed equipment for a widely diverse client roster of Blue Chip companies and has installed systems in 45 countries around the globe.



## Dimensions

### Four Basic Monoblock Machines:

#### Model VB-JR:

24 inches (607 mm) wide by 30 inches (762 mm) deep. Starwheel or turret size: 17 inches (432 mm) pitch diameter, 16-pockets. Maximum container diameter (width) is 3 ¼ inches (83 mm).

#### Model VB-16:

48 inches (1219 mm) wide by 24 inches (607 mm) deep. Starwheel or turret size: 17 inches (432 mm) pitch diameter, 16-pockets. Maximum container diameter (width) is 3 ¼ inches (83 mm).

#### Model VB-24:

48 inches (1219 mm) wide by 27 ½ inches (699 mm) deep. Starwheel or turret size: 24 inches (607 mm) pitch diameter, 24-pockets. Maximum container diameter (width) is 3 inches (79 mm).

#### Model VB-32:

68 inches (1729 mm) wide by 42 inches (1067 mm) deep. Starwheel or turret size: 36 inches (914 mm) pitch diameter, 32-pockets. Maximum container diameter (width) is 6 ½ inches (165 mm).

## Available Machine Components

- Transfer conveyors
- Container sorting and feeding
- Container cleaning
- Liquid filling
- Dry filling
- Plug sorting and seating
- Screw cap sorting, placing and tightening
- Cap sorting and placing
- Bottle crimping
- Ultrasonic welding
- Spray pump crimping
- Over-cap sorting and placing
- Code dating

## Specifications

### Electric

System voltage and frequency configured to meet customer specifications.

### Air

100 psig typical.

### Construction

All machines are equipped with polished stainless steel covers. Dust hoods, safety guards and shields are installed as required.

### Speed

Up to 40 Containers Per Minute for single indexing systems. Up to 70 Containers Per Minute for double indexing systems. Up to 90 Containers Per Minute for triple indexing systems.

### Container Sizes

Up to 6 ½ inches (165 mm) in diameter; one (1) gallon (3.78 liters) capacity.

### Optional Accessories

#### Special Controls

- No-container detector: Senses if a container is missing at the first station.
- Container supply sensor: Senses if there is a lag in the container infeed conveyor.
- Container discharge sensor: Senses if there is a back-up of containers in the discharge conveyor.
- No-cap detector: Automatically senses missing caps and closures.

#### Explosion-proof components

Explosion-proof electrical components such as indexing drives, vibratory feeders, powder fillers and screw tighteners available as required.

Specifications subject to change without notice.

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