



## Multilane Auger Filler

### Model NMAF - M2 / M4 / M10 / M13

Servo Driven Auger Filler for multilane filling of powders, granulars, and flakes



NMAF-M2



NMAF-M4



NMAF-M10



NMAF-M13

*Nalbach Engineering's Multilane Auger Fillers improve fill accuracy and dramatically reduce maintenance and downtime*

The Multilane Auger Filler dispenses a single product from a common hopper with multiple separate and independently controlled augers / funnels and is ideally suited for multilane filling operations commonly found in the food, pharmaceutical, health and beauty aids, and chemical industries. The system features PLC controlled, servo driven motors and an easy-to-use operator touch screen interface.

The PLC controlled brushless, direct drive, servo motor system provides superior fill accuracy and reliability while dramatically reducing mechanical failures and downtime by eliminating most moving parts. The user-friendly graphical menu allows the operator to easily access the product memory for fast set-up and accurate control of all filling operations. The Models M2, M4 & M10 are compact and economical systems designed for easy integration into most vertical, horizontal, and thermo form-fill-seal machines, as well as many other multiple lane production lines.

Nalbach multi-head systems can be configured to match virtually any multilane application. These variables include the number of dispensing / filling heads as well as center distances to compliment any multilane system.

### Benefits

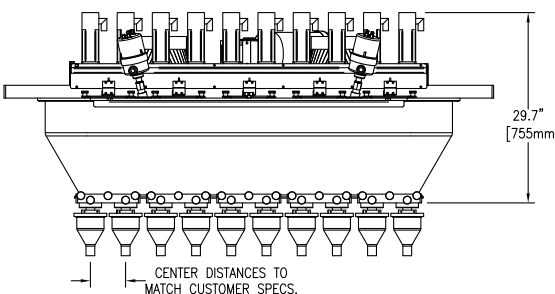
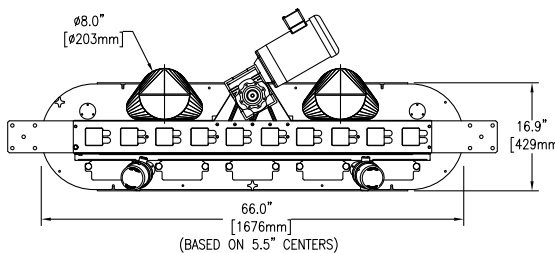
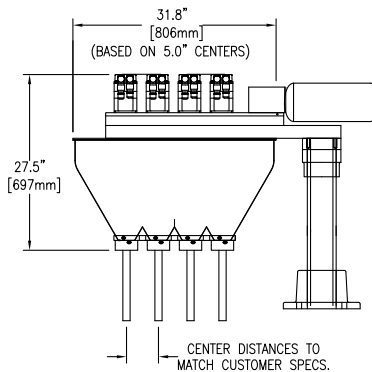
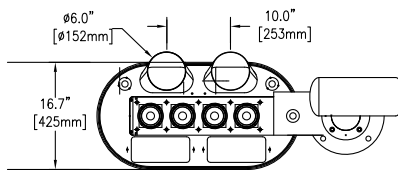
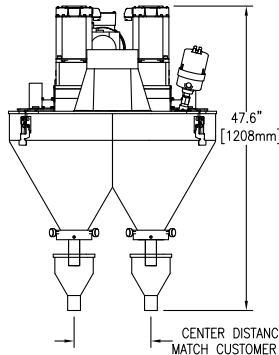
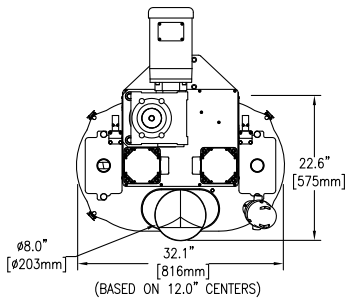
- Readily adaptable to most form, fill and seal machines.
- Fewer moving parts means less maintenance and less downtime.
- Touch screen with intuitive icon-based graphical user interface for greater accuracy and control.
- Servo motor shaft resolution of 1/5000 revolution delivers superior fill accuracy.
- Self centering hopper and funnel results in faster changeovers, and cleaning times.
- Empty hopper function for quick product changeover.
- Rugged construction, stainless steel contact parts and aluminum structural parts result in exceptional durability.
- Smart agitator technology to extend agitator life.
- The product memory is capable of storing filling parameters for over 60 products with one button recall.
- Weight setup software feature establishes fill parameters automatically.

### 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, plastic bottle unscramblers and orientors. 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



Touch screen user interface

The user friendly graphic menus allow the operator to easily access product memory for fast set-up and accurate control of all filling operations.

### Software Features:

- Adjustable machine parameters
- Adjustable agitator speed
- Adjustable auger drive speed
- Adjustable acceleration and deceleration
- Auger jog
- Hopper empty
- Recycle timers
- Weight setup software establishes fill parameters automatically

## Specifications

### Electric and Controls

#### Display:

User-friendly touch screen

#### Electrical:

System voltage and frequency configured to meet customer specifications

#### Electrical Controls:

PLC - digital solid state

#### Enclosure:

NEMA 12 or optional NEMA 4

### Filling Head

#### Auger Drive:

Brushless servo motor, direct drive rated for 3 HP (2.2 KW)

#### Auger Speed:

50 to 1,400 RPM

#### Agitator Motor:

Variable speed motor

#### Agitator Drive:

Direct gear belt drive

#### Construction:

Stainless steel and other FDA approved product contact parts

### Speed and Accuracy

#### Filling Speed:

Up to 120 fills per minute per auger lane

#### Filling Accuracy:

Up to  $\pm 0.25\%$  (.0025)

### Optional Accessories

#### Level Control:

Signals infeed and controls product level

#### Conveyors:

Complete range of infeed and discharge conveyor types available

#### Vibration:

Air, motor, or magnetic bottom, side or step product settling systems

#### Checkweighers:

Checkweighers available for use with Active weight control system

#### PLC:

Various commercial PLC controllers are available

Specifications subject to change without notice.

## Nalbach Engineering Company, Inc.

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