



## Servo Driven Dual Auger Filler

### Model NMAF-X2

For Powders, Granulars, and Flakes



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

The Dual Auger Filling System dispenses precise amounts of two (2) different products into the same container at the same time. The system features a computer controlled, servo driven motor and easy-to-use operator touch screen interface.

The computer 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 Dual Auger Filling System is a compact system designed for easy integration into tight spaces.

The Dual Auger Filling System is ideally suited for the pharmaceutical industry where an active and inert ingredient needs to be dispensed into a single container in two different product streams with two different target weights. Other applications include the health and beauty aids, food, and chemical industries.

### **Benefits**

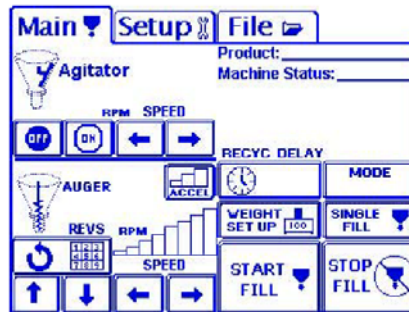
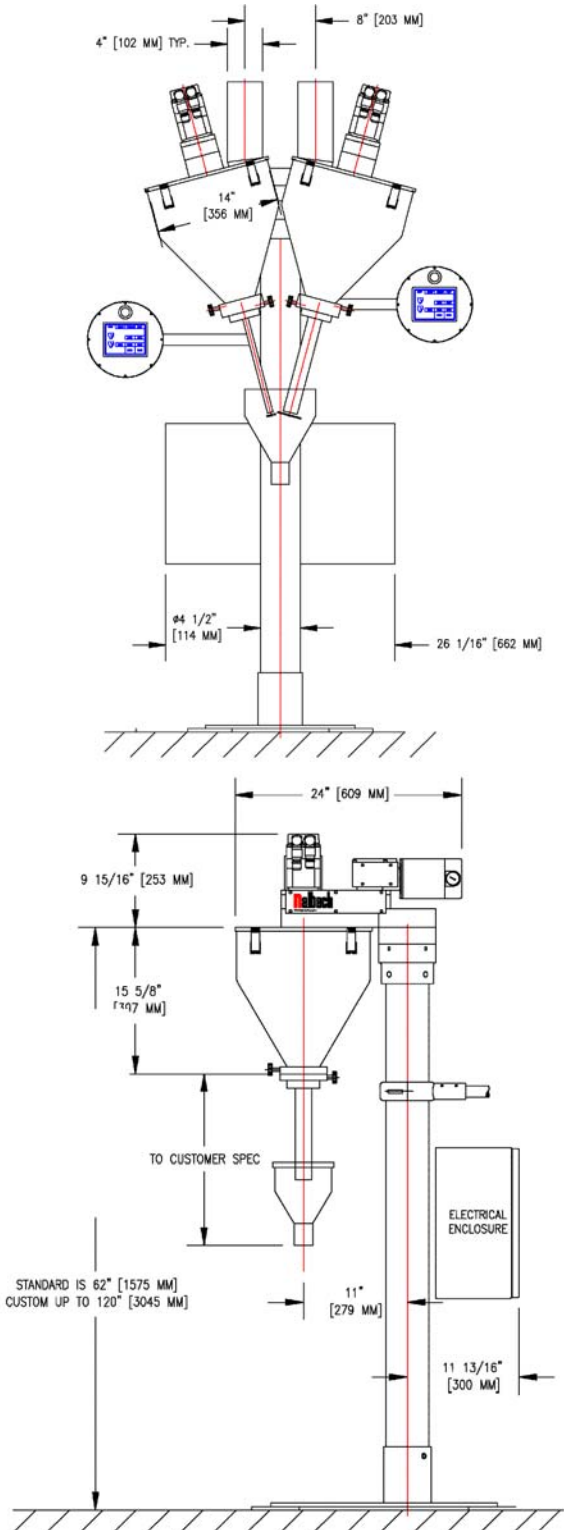
- Readily adaptable to most form, fill and seal machines
- Fewer moving parts means less maintenance and less downtime
- Touch screen with intuitive icon-based graphical user interface for greater accuracy and control
- Servo motor shaft resolution of 1/5000 revolution delivers superior fill accuracy
- Self centering hopper and funnel results in faster changeovers, and cleaning times
- Empty hopper function for quick product change-over
- 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 120 products with one button recall
- Weight setup software utility sets up 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 filling equipment for powders, granulars, flakes and aerosols. In addition, Nalbach Engineering manufactures plastic bottle unscramblers and offers turnkey packaging lines as well as 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



The NMAF-X2 sets a new standard in filling technology with a computer controlled digital servo motor drive and operator touch screen interface. The computer controlled brushless direct drive servo motor system provides superior fill accuracy and reliability. The user friendly graphic menu allows the operator to easily access product memory for fast set-up and accurate control of filling operations.

## Specifications

### Electric and Controls

#### Display:

User Friendly Touch Screen

#### Electrical:

220 VAC, 50/60 Hz, Single Phase

#### Electrical Controls:

Digital Solid State

#### Enclosure:

NEMA 12 or Optional NEMA 4

#### Software Features:

- Adjustable Machine Parameters
- Adjustable Agitator Speed
- Adjustable Auger Drive Speed
- Adjustable Acceleration and Deceleration
- Auger Jog
- Hopper Empty
- Recycle Timers
- Trial Fill for Product Set-up

#### 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:

1HP Variable Speed Motor

#### Agitator Drive:

Direct Gear Belt Drive

#### Construction:

Stainless Steel Product Contact Parts

#### Speed and Accuracy

#### Filling Speed:

Up to 120 Fills Per Minute

#### Filling Accuracy:

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

#### Optional Accessories

#### Level Control:

Signals Infeed and Controls Product Level

#### Footswitch:

For Initiating the Fill Cycle

#### Cut Off Devices:

Knife Blade and Valves

#### Conveyors:

Automatic Indexing

#### Vibration:

Container and Hopper Vibrators

#### Infeed:

Product Infeed Machinery, Auger and  
Vibration Conveyors

#### Scales:

Digital Electronic Scales for Fill by Weight  
Operation

#### PLC:

Commercial PLC Controllers are available