

## Servo Driven Auger Filler with Integrated Scale

### Model NMAF-1001-S

For batch filling operations of powders



## *Nalbach Engineering's Auger Filler with Integrated Scale improves fill accuracy and dramatically reduces maintenance and downtime*

Designed specifically for manual, batch filling, applications. This filling system is perfect for low volume, batch applications and applications in which the density of the product varies significantly. The system incorporates a scale to provide actual weight feedback to the filler and uses two (2) fills per container. The first fill dispenses 90 – 95% (user programmable) of the target weight and the second “top-off” fill is based on the actual calculated product density of the first fill. This system monitors the product density on each and every fill providing superior fill accuracies to 1/10th of one (1) percent!

Unlike “bulk and dribble” systems in which the first “bulk” fill is followed by slow series of “dribble” fills until the target weight is met, the Nalbach system’s “top off” fill is a single fast fill, significantly improving throughput.

The filler’s control panel performs all set-up and operation of the entire system. This “HMI” panel is an intuitive, icon-based, graphical user interface with touch screen and comes standard with all Nalbach Servo Driven Auger Fillers. This powerful controller provides a single point of user control for the entire system making training, set-up and operation simple and straightforward.

The filler’s 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.

### Benefits

- Integrated scale provides fill accuracy to 1/10<sup>th</sup> of 1 percent in batch applications.
- Integrated servo driven auger filler, scale and control system provides a “turnkey filling station” for reliability, consistency and accuracy.
- Single-point control using touch screen with intuitive icon-based graphical user interface for ease of training, set-up and operation.
- Fewer moving parts mean less maintenance and less downtime.
- Servo motor shaft resolution of 1/5000 revolution delivers superior fill accuracy.
- Self centering hopper and funnel results in faster changeovers, and cleaning times.
- Rugged construction, stainless steel contact parts and aluminum structural parts result in exceptional durability.
- The product memory is capable of storing filling parameters for 120 products with one button recall.
- Weight set-up software utility sets up fill parameters automatically.

### About Nalbach Engineering Company

Founded in 1945, Nalbach Engineering 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 & cartridge 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.

### Nalbach Engineering Company, Inc.

621 East Plainfield Road, Countryside, IL 60525 U.S.A.  
Phone: 708/579-9100 • Fax: 708/579-0122  
www.nalbach.com

© 2004 Nalbach Engineering Company, Inc.



NMAF-1001-S  
Bulletin 23-a