



# SINGLE HEAD AUTOMATIC AUGER FILLING MACHINE

## MODEL SHA



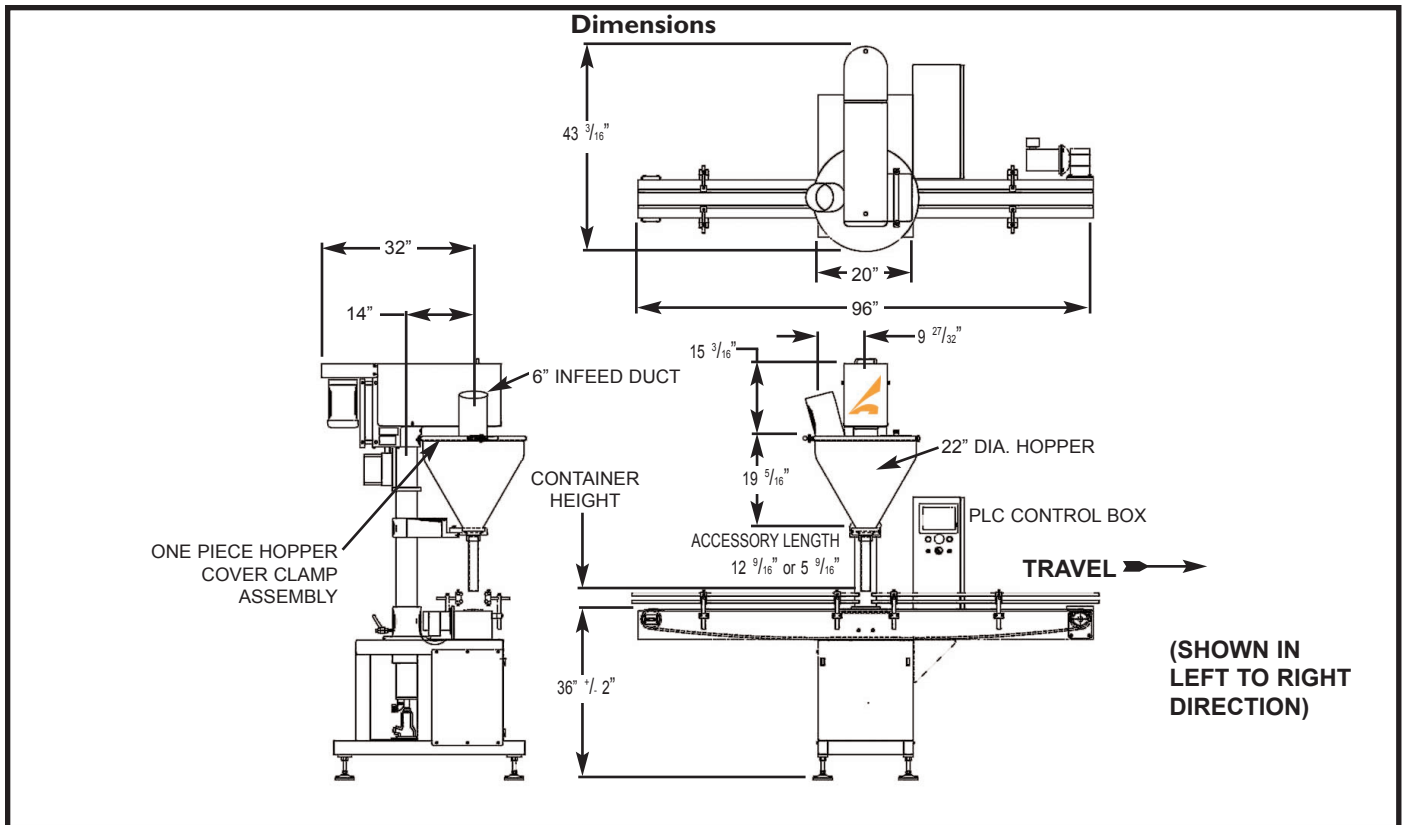
The **Model SHA** is a complete, economical solution to your filling production line requirements. It consists of the industry-proven All-Fill filling head, and conveyor mounted on a sturdy frame. Container indexing controls to reliably move and position containers for filling. Allen Bradley PLC control system with touchscreen provides precise selection and adjustment of fill amounts and machine functioning. Provides easy setup, operation, and monitoring of the filling operation.

### FILLING HEAD

- 16 gallon hopper with dustproof cover
- Aluminum head casting with one-piece stainless steel cover
- Heavy duty clutch-brake
- Slow speed agitation
- Motor starters and transformer
- Accepts standard All-Fill accessories

### CONVEYOR

- 8 ft. stainless steel channel
- Dual strand chain (standard)
- Variable speed drive
- Adjustable guide rails
- Container indexing controls, includes no-container/no-fill sensor
- Sturdy tubular steel frame to support filling head and conveyor
- Column jack to adjust height of filling head



**CONTROLS**

- Allen Bradley Micrologix 1500 PLC
  - Touch screen HMI
  - Control auger revolutions
  - Control slow speed agitation mode (continuous, with fill or none)
  - Control filling technique functions (lift and vibration)
  - Control container handling through filling process (indexing)
  - Standard 50-product recipe storage
  - Production counter

**OPTIONS**

- Pneumatic container lift for bottom-up filling
  - Adjustable stroke to 7"
  - Lift hold and quick drop features
- Vibration to settle product in container
  - Adjustable frequency
- Feedback capability from off-line scale or in-line checkweigher
- Product level control

CONTROL FEATURES	SHA
Programmable Logic Controller	Allen Bradley Micrologix 1500
Operator Interface	Touchscreen HMI
Controls Enclosure	Nema 12 (Dust Tight)
Recipe Setup Program Capability	50 Programs
Clutch/Brake Coast Compensation	Yes
Alphanumeric Product Code	Yes
Programmable Agitation Mode	Yes
Alarm Function Indicators/Error Messages	Yes
Status Messages	Yes
Hopper Level Monitored and Displayed	Yes
Maintenance Screen(s) for Testing Purposes	Yes
Cutoff Device	Yes
Storage of Accessory Information for Each Product	Yes
Production Counter Display	Yes
Production Containers Per Minute Display	Yes
End of Fill Signal	Yes
Product Infeed Control	Yes
Weight Feedback from in-motion Checkweigher	Yes
Off-Line Scale Feedback	Yes
Remotely Mounted Panel	Yes
Auger Jam Protection	Yes
Manual Calibration	Yes
Special Features Capability	Yes



**All-Fill: For All Your Filling Needs.**

All-Fill, Inc. designs, manufactures, services, and supports a complete line of machinery for powder and liquid filling. Complementary equipment includes feeding and conveying of dry products for the food, pharmaceutical, and chemical industries, as well as high-speed checkweighing equipment sold under the Alpha Checkweighers brand.

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