

AUGER FILLERS

SHA/SERIES

Single Head Automatic Filling Machine

The SHA Series is a complete solution for your filling production line requirements. It consists of the industry-proven All-Fill filling head and an independently motorized chain conveyor mounted on a sturdy frame. Container indexing controls reliably move and position containers for filling, dispense product, and can transfer filled containers to downstream equipment, such as cappers and labelers. 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.



MODEL	Integrated Scale	Servo Motor
MODEL SHA	-	-
MODEL SHA/S	●	-
MODEL SHA/SV	-	●
MODEL SHA/S/SV	●	●

SPECIFICATION SUMMARY:

Construction:	Painted aluminum base, Anodized aluminum, Stainless steel contact parts, Sturdy tubular steel frame to support filling head and conveyor. Includes mechanical jack to raise/lower fill head. Aluminum head castings with one-piece stainless steel covers, Heavy duty clutch-brakes or servo direct drives.
Production Rates:	Speeds ranging up to 40 CPM, application dependent
Control Features:	7" color touchscreen HMI, A speed adjustable belt drive and continuously-operating fill motor provides the torque and high cycle rates necessary for production filling. Product level control, Slow speed agitation, Motor starters and transformer, Adjustable frequency Vibration to settle product in container, Accepts standard All-Fill accessories, Optional in-line All-Fill Checkweigher with feedback to filling heads for instantaneous adjustment of filled amounts, adjustable guide rails, variable speed drive.
Storage:	100 Product Memory
Hopper Capacity:	16 gal. hoppers with dustproof cover infeed duct
Conveyors:	Standard 8 ft. stainless steel channel, Standard Dual strand chain, 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, additional lengths are available.
Electrical Requirements:	208/230/460V; 3-Phase; 60HZ. Standard
Pneumatic Requirements:	2 SCFM @ 60 PSI
Changeovers:	Mostly toolless
Options:	Includes stainless steel slow speed agitator blade, Adjustable speed, jogging container vibrator to settle and distribute product in container. Pneumatic or servo container lift to raise/lower container to funnel, Container lift for bottom-up filling, product level control, lift and hold quick drop features, adjustable stroke to 7", Product Level control, production counter.

CONFIGURATIONS TO FIT YOUR NEEDS:

All-Fill's automatic auger fillers are designed for complete, continuous container transport, positioning, filling and discharge to the next stage in the packaging process. Automatic models combine a standard fill head with an integral conveyor to move containers. An indexing system mounted on the conveyor regulates container movement toward the filling position, centers each container for filling, and then moves the container away. Available in single or multiple head configurations, automatic models can be equipped with a variety of accessories and options to suit particular container handling requirements or product characteristics.

COMMON APPLICATIONS:

- Ground & Whole Bean Coffee
- Detergent Powders
- Ground & Flake Spices
- Flours
- Plastic Granules
- Jimmies & Sprinkles
- Sugars
- Rice & Grains
- Cosmetics Powders
- Food Powders
- Dairy Powders
- Protein Powders
- Seeds & Fertilizers
- Cat Litter
- Talc Powders
- Household Chemicals
- Toner Powders
- Cement Powder
- Pharmaceutical Powders
- Industrial Chemicals
- Salt
- Powdered Drink Mixes
- Infant Formula
- Agricultural Chemicals
- Pet Foods

ADDITIONAL MODEL DETAILS:



INTEGRATED CHECKWEIGHTER

The All-Fill Checkweigher is an excellent addition to any automatic filling system to increase accuracy and reduce waste. Checkweighing systems will ensure that fill sizes are consistent to your specification and will reject any packages that are "out of spec."



HORIZONTAL SCREW CONVEYOR: (MODEL HSC): An optional system mounted directly to the side of your semi-automatic auger filler head. It provides a consistent flow of product, reducing manual labor while improving overall machine efficiency.



INTEGRATED SCALES:

Model SHA/S/SV is a servomotor Fill-To-Weight System that dispenses product in multiple size and weight containers at high speeds and high accuracy levels. Product weight filled to accuracies of +/- .1 to .5% of gross target weight.



CUSTOM OPTIONS:

The SHA Series can be engineered to meet your specific production requirements, whether as a standalone unit or fully integrated with OEM equipment. Available configurations include features such as a fully enclosed fill station and a durable steel base cabinet for added protection and stability.

WORLD-CLASS SERVICE & SUPPORT:

We understand downtime and its effect on your bottom line. Packaging machinery is only as strong as its service and support system. If you run into challenges, All-Fill's Service team consists of 15 full time service employees with over 150 years of combined experience in the packaging industry. Our team can train, install, and troubleshoot any All-Fill machinery. We service domestically and in our international territories: Canada, Central and South America, India, China and Australia. Contact our Service team at Service@all-fill.com.

PARTS SUPPORT:

All-Fill machines are designed using the most innovative controls and the highest quality parts and components. All-Fill has an unmatched ability to identify and resolve issues that may arise with your machine. Our parts department provides quality support in a timely manner to reduce your downtime and stocks most parts for quick delivery. From mechanical assemblies, electronic components, tooling, machine accessories and software, we have the parts you need. Contact our Parts Department at AFI-parts@all-fill.com.

INTERNATIONAL INQUIRIES:

All-Fill's packaging machinery is available worldwide for almost any product and industry. Our more than 50 years of engineering expertise combined with our industry leading field support makes us a leader in the industry. We design, manufacture, install and service machinery with maximum accuracy and reliability. Our global presence means uncompromising service and support, no matter what or where your needs are. Reach out today to discuss your project with our international sales team. Contact us at info@all-fill.com.

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Auger Fillers | Vibratory Fillers | Cup Fillers | Piston Fillers | Checkweighers | Vertical Form Fill & Seal Baggers | Labelers | Unscramblers | Cappers