

# AUGER FILLERS

# BS/SERIES

## Semi-Automatic Fill-To-Weight Auger Fillers

All-Fill's BS/series semi-automatic fill-to-weight auger fillers are used when a specific, verified quantity of product must be accurately dispensed by weight. Each model includes integrated scales and load cell components to measure precise weights before, during, and after every fill cycle. Advanced feedback and feedforward controls allow for automatic fill adjustments, error correction, and accept/reject tolerance control. A PLC-based control system calculates key operating parameters, such as RPM acceleration and deceleration, eliminating the need for manual calculations or complex inputs. An intuitive touchscreen interface provides easy access to essential functions, while product and fill weight setups can be stored and quickly recalled. Accessories such as bag clamps, roller conveyors, and lifts are available to meet specific application requirements.



MODEL	Upgraded Controls	Integrated Scale	Servo Motor
<b>MODEL B/S</b>	●	●	—
<b>MODEL B/S/SV</b>	●	●	●

### SPECIFICATION SUMMARY:

<b>Construction:</b>	Painted aluminum base. Stainless steel product contact parts. Aluminum head castings with one-piece stainless steel covers. Optional tubular steel frame to support filling head and conveyor. Mechanical jack for raising and lowering fill head. Heavy-duty clutch brake or servo direct drive options.
<b>Production Rates:</b>	Speeds dependent on product characteristics and operator.
<b>Control Features:</b>	7.0" color touchscreen HMI. Variable speed drive system. Speed-adjustable belt drive with continuous fill motor for high torque and high cycle rates. Product level control. Adjustable frequency vibration for product settling. Adjustable guide rails. Slow-speed agitation capability. Motor starters and transform included. Compatible with standard All-Fill accessories. Integration with in-line All-Fill checkweigher for automatic fill weight adjustment.
<b>Storage:</b>	Stores up to 100 product memory recipes.
<b>Hopper Capacity:</b>	2 cu. ft. hopper with dustproof cover and common infeed duct. Optional 4 cu. ft. hopper available.
<b>Electrical Requirements:</b>	Fill Motor Input: 208/230/460V; 3-phase; 60 Hz. Standard Controls: 115V 50-60 Hz. Other ratings available upon request.
<b>Pneumatic Requirements:</b>	Application dependent.
<b>Changeovers:</b>	Primarily toolless for fast and efficient changeover.
<b>Options:</b>	Slow-speed agitation with separate motor and gearbox. Stainless steel agitator blade. Adjustable-speed container vibrator (jogging type) for product settling and distribution. Pneumatic or servo-driven container lift. Bottom-up filling capability. Lift-and-hold and quick-drop container features. Adjustable stroke up to 7". Product level control system. Production counter.

## CONFIGURATIONS TO FIT YOUR NEEDS:

All-Fill's field-proven semi-automatic auger fillers are designed to handle a wide range of applications and virtually any type of product. Standard models feature a durable cast aluminum head housing the drive components, combined with a compact, open-frame design for ease of use and accessibility. A variety of PLC-based control packages are available, including both keypad and touchscreen operator interfaces. These systems can also be configured for standalone bench-top filling applications. Stainless steel hoppers, agitation blades, and product contact components ensure compliance with sanitary requirements. The Model B/S/SV is powered by a high-performance brushless servo motor, delivering precise and controlled auger movement for accurate product dispensing. An intuitive touchscreen interface provides easy access to essential functions, while dedicated test and calibration screens simplify maintenance. Product and fill weight settings can be quickly stored and recalled for efficient changeovers.

## 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:



### AUTOMATION UPGRADE

All-Fill's BS/Series can be upgraded to a fully automated system with the addition of an inline scale, container lift, and indexing packages—enhancing accuracy, efficiency, and overall production throughput.



### CUSTOM UPGRADES

Machine configurations can be tailored to suit your specific application. Available scale accessories include bag clamps, conveyors, and lift systems for bottom-up filling, enhancing flexibility and filling performance.



### 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](mailto: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](mailto: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](mailto:info@all-fill.com).