

## AUGER FILLERS

# BS/SERIES

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

Semi-automatic fill-to-weight auger fillers are used when a specific, verified, weighed quantity of product is to be dispensed. All models include scales and load cell components to determine accurate weight reading before, during, and after each fill cycle. Sophisticated feedback/feedforward controls allow for fill value adjustment, error correction, and accept/reject tolerance control. Our PLC-based control system computes all relevant parameters (such as RPM acceleration/deceleration) internally, so the operator does not have to make calculations or complex entries. An intuitive touchscreen puts essential functions at the user's fingertips. Set-ups for products/fill weights are easily stored and recalled. Accessories such as bag clamps, roller conveyors, and lifts are implemented according to specific customer requirements and constraints.

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 contact parts, Optional 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
<b>Production Rates:</b>	Speeds depending on product and operator
<b>Control Features:</b>	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, In-Line All-Fill Checkweigher with feedback to filling heads for instantaneous adjustment of filled amounts, adjustable Guide rails, variable speed drive
<b>Storage:</b>	100 Product Memory
<b>Hopper Capacity:</b>	2 cu.ft. hopper with dustproof cover and common infeed duct, optional 4 cu. ft.
<b>Electrical Requirements:</b>	Fill Motor Input: 208/230/460V; 3-Phase; 60HZ. Standard Controls: 115V 50-60 HZ. Other ratings available upon request.
<b>Pneumatic Requirements:</b>	Application dependent
<b>Changeovers:</b>	Mostly toolless
<b>Options:</b>	Slow-speed agitation with separate motor, reducing gearbox, and drive components. 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 field-proven semi-automatic auger fillers excel in a wide variety of applications with virtually any type of product. Typical models consist of a sturdy cast aluminum head containing the drive components, and a compact, open frame design. Controls offered include a variety of PLC-based packages, which can consist of a keypad or touchscreen operator interface. They can also be used for stand alone bench-top filling. Stainless Steel hopper, agitation blade, and components provide proper sanitary conformance requirements. The Model B/S/SV is operated by a high performance, brushless servo motor which provides precise, controlled, movement of the auger to dispense the desired amount of product. An intuitive Touch Screen control screen puts essential functions at the user's fingertips. Test and calibration screens simplify maintenance. Set-ups for products/fill weights are easily stored and recalled.

## COMMON APPLICATIONS:

- Ground & Whole Bean Coffee
- Detergent Powder
- Ground & Flake Spice
- Flour Products
- Plastic Granules
- Jimmies & Sprinkles
- Sugar Products
- Rice & Grains
- Cosmetics
- Food Powder
- Dairy Powder
- Protein Powders
- Seeds & Fertilizers
- Cat Litter
- Talc
- Household chemicals
- Toner Powders
- Cement Powder
- Pharmaceuticals
- Industrial Chemicals
- Salt Products
- Corn Starch
- Infant Formula
- Agricultural Chemicals

## ADDITIONAL MODEL DETAILS:



### AUTOMATION UPGRADE

Our BS/Series can be upgraded to be fully automated with an inline scale and lift and indexing packages.



### CUSTOM UPGRADES

Machine configurations vary depending on the application. Accessories to the scale include bag clamps, conveyors, and lifts for bottom up filling.



## 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).