

VIBRATORY FILLERS

ST/SERIES

Custom Option Vibratory Fillers

The ST/series of vibratory feeders is the filling solution for the precise feeding and weighing of free-flowing and occasionally non free-flowing products. Vibratory fillers are able to move and fill products such as snack foods, hardware, and more without causing damage to the product. The ST/series is available in multiple lanes as non-cascading, cascading, or bulk and dribble. Speeds range up to 60 containers per minute with fill weights of 0.5 oz to 10 lbs. The ST/series allows products to be precisely conveyed, weighed, and dispensed at accuracies of ± 0.5 to 1%. Like the E/series, our ST line of machines offers a stepper motor actuator to discharge product eliminating the need for pneumatics.



SPECIFICATION SUMMARY:

| | |
|---------------------------------|--|
| Construction: | All stainless steel, available in 1-4 lane configurations for semi-automatic or automatic models |
| Production Rates: | Speeds ranging up to 15 CPM per lane, depending on fill size. |
| Controls: | Embedded controller, 10.00" Color touch screen HMI, foot pedal initiation |
| Control Features: | Individual control of all settings, alphanumeric product naming, Containers per minute readout, automatic tare, batch count readout, Users / Maintenance / Supervisor Login, Statistical analysis of a shift run, Weigh units of measure, Weight or count mode |
| Hopper Capacity: | Supply hopper capacity of 1.5 cu. ft. standard, other options and sizes available: hopper extensions and covers |
| Weigh bucket sizes: | 3 liter standard, 7 Liter or 11 Liter options available |
| Machine Dimensions: | Feed pan widths from .5" to 5.0" wide |
| Storage: | 100 product Memory |
| Electrical Requirements: | 120V /1ph/60HZ standard (other voltages available) |
| Changeovers: | Tool-Less® disassembly of hopper, weigh bucket and funnel for ease of cleanup and changeover |
| Options: | Conveyor, indexing and automation packages, Partition hopper for ingredient mixing, Nylon coating and dimpled contact surfaces, Statistical package (USB), Low pressure washdown designs, Variety of fill accessories, nozzles or chutes, Electric dribble feed gate, heavy duty vibrator, additional lanes for increased production, product level control to signal infeed device, hopper cover, integration with OEM, 316 stainless steel contact and quick removal parts available |

CONFIGURATIONS TO FIT YOUR NEEDS:

The ST/Series consists of a stainless steel hopper for the bulk supply of product. A matched pair of electromagnetic vibrator and vibrating trays transport the product to a weigh bucket. A load cell attached to the weigh bucket determines accumulating weight. When the desired amount is attained, the rotary actuator operates the gate to dispense product through the discharge funnel.

Central to the ST/Series design is the VF700 single board controller and custom-developed touch screen Human/Machine Interface (HMI) controls. All major control parameters and settings are easily selected from a series of screens on the panel. Multiple product recipes allow setups for each container, product, or fill amount to be stored and recalled. Dedicated test screens and selections available for individual operation of each machine component for testing, adjustment, or troubleshooting. Statistical and reporting screens instantly summarize important production details and totals directly from the production line.

| Weights / Rates Per Lane | | | | |
|--------------------------|--------|--------|--------|--------|
| Weight | Lane 1 | Lane 2 | Lane 3 | Lane 4 |
| 1 oz. to 6 oz. | 15 CPM | 30 CPM | 45 CPM | 60 CPM |
| 8 oz. to 1 lb. | 12 CPM | 24 CPM | 36 CPM | 48 CPM |
| 1 lb. to 3 lb. | 10 CPM | 20 CPM | 30 CPM | 30 CPM |
| 3 lb. to 5 lb. | 6 CPM | 12 CPM | 18 CPM | 24 CPM |

**Rates are estimated, final results are determined after testing*

ADDITIONAL MODEL DETAILS:



VARIETY OF CONFIGURATIONS:

The ST/Series is available in multiple lanes as non-cascading, cascading, or bulk and dribble.



WEIGH BUCKETS:

A load cell mounted weigh bucket determines the accumulating weight and the stepper rotary actuator opens the bucket to dispense product into the container when initiated.



10 INCH COLOR HMI SCREEN:

10" Human Machine Interface(HMI) allows the operator to create, store, edit and recall 100 unique product recipes for a variety of filling applications.



CONVEYING/INDEXING OPTIONS:

In-line conveyors with indexing capabilities can be added to create a fully automated filling system.

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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