

VIBRATORY FILLERS

HX/SERIES

Large & Bulk Size Vibratory Fillers

The HX/Series Vibratory Filler is expertly designed for feeding free-flowing products into cases or drums ranging in weights of 5 to 75 lbs. Products such as nuts, seeds, spices, snack foods, and more can be accurately fed, weighed, and dispensed with typical accuracies of ± 0.25 to 1%. The pneumatically operated HX/Series is available in 1 to 4 lanes, with speeds ranging up to 15 containers per minute per lane. This heavy-duty series features large volume weigh buckets, a robust electromagnetic vibrator, bulk product gates, and custom-designed 16" wide vibrating trays for efficient product handling, making the HX/Series a leader in its class. The HX/Series accommodates fill capacities from 15 oz to 75 lbs. per fill cycle, with production rates up to 60 cycles per minute depending on fill size and lane configuration.



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, bulk and dribble speed control, Containers per minute readout, individual control of all settings, automatic tare of weigh bucket, Users / Maintenance / Supervisor Login, Statistical analysis of a shift run, Weigh units of measure, Weight or count mode
Hopper Capacity:	Supply hopper capacity of 5 cu. ft., other options available: hopper extensions and covers
Weigh bucket sizes	3 in ³ to 1 ft ³
Machine Dimensions:	Feed pan widths from .5" to 12" wide
Storage:	100 product Memory
Electrical Requirements:	120V /1ph/60HZ standard(other voltages available)
Pneumatic Requirements:	10 SCFM @ 60 PSI
Changeovers	Fix mounted - tools required
Options:	Conveyor, indexing and automation packages, Partitioned hopper for ingredient mixing, Nylon coating and dimpled contact surfaces, Statistical package (USB), various 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:

Vibratory Fillers are well suited for products that could become damaged when filling with auger filling equipment and other types of free-flowing products such as whole bean coffee, small nuts, rice, grains, confection items, and others. The HX/Series consists of a stainless steel hopper for the bulk supply of product. A matched pair of electromagnetic vibrator and vibrating tray 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 pneumatic actuator operates the gate to dispense product through the discharge funnel. Central to the HX/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.

Rates Per # of Lanes for Automated System			
Weight	Lane 1	Lane 2	Lane 3
15 oz. to 25 oz.	6 CPM	12 CPM	18 CPM
30 oz. to 50 lb.	5 CPM	10 CPM	15 CPM
55 lb. to 75 lb.	4 CPM	8 CPM	12 CPM

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

ADDITIONAL MODEL DETAILS:



VARIETY OF CONFIGURATIONS:

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



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.



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.



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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