



## Mateer 6000 Rotary Auger Filler

The Mateer 6000 rotary auger is engineered to meet the most stringent requirements of your job needs today, and the flexibility to support your future growth. This continuous motion machine provides faster production speeds, precise fills, and simple maintenance. The Mateer 6000 can fill virtually any powdered or granular product at speeds up to 440 CPM.

This sophisticated dry-product filling machine's capabilities encompass precision fills of free-flowing powders and granules (e.g., spices, infant formula and detergents), and non-free-flowing powders (e.g., cake mixes, ground spices). The product is fed into a multi-station rotating turret, then deposited into interchangeable receiving funnels. A dust-free filling environment is maintained as containers are filled to a specific volume. An industry standard PLC and Human-Machine Interface (HMI) provide easy input, self-diagnostics, and access to data that can guide your productivity. Programming is included in the installation of any Mateer filling machine.

### Key Features

- Food-grade stainless-steel receiving funnels stand up to continuous use at high temperatures, alkalis, acids, and salt
- Auger drive shaft common to all auger sizes
- Quick, easy changeover of container handling parts maximizes production time
- Self-locking bayonet auger shaft connects outside of the product hopper for greater safety and ease of adjustment. This separation prevents workers from placing their hands and tools inside the hopper, reducing the possibility of product contamination and increasing operator safety.
- Low-profile belt guard cover with quick-snap release
- Automatic and jog controls enhance efficiency in filling line operations
- 22" diameter (559 mm), 16 gallon (60 liter) capacity stainless steel hopper
- Positive container control via UHMW dual main starwheels and container guides
- Color-coded "no tool" change parts provide quick changeovers
- PSA's OEM parts provide longer, more durable machine life

### Standard Features – Adjustable to meet the specific needs of any job

- 11' (3.3 m) stainless-steel conveyor with adjustable stainless steel guide rails and Delrin table top chain
- NEMA 12 dust-proof control enclosure protects the internal workings against dust, dirt, oil, even corrosive liquids
- Dust-proof hopper cover ensures that pests, dirt or dust can't contaminate the product, while the interlocking inspection port allows operators to safely and easily check hopper contents. This feature also provides 7" (178 mm) diameter infeed duct.



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## Standard Features - cont'd.

- Polycarbonate safety guards, with 4 electrically interlocked/hinged access doors combine access and safety by shutting down the unit when a door is opened
- Mechanical jack raises fill head(s) and turret to make adjusting to containers of different heights quick and easy
- Turret can be stopped in cases of container jam or downstream backups, reducing product loss and downtime
- Externally mounted 3/4 hp. 39 RPM motor keeps the heat out of the head
- Raised conveyor for ease of cleaning
- Bottom rail vibration stations and turret vibration help product flow freely into container
- Color coded container handling parts ensure quick changes
- Easily track CPM and other critical data on HMI

## Optional Features

- Custom molded “Z” style container seals create a “bellows gasket” between the stationary transfer funnel and the moving container, ensuring no loss of product or blowing dust
- Removable, segmented turret with funnels allows for removal of sections of turret, minimizing downtime during cleaning and changeovers
- Additional filling heads and configurations of up to 6 augers allow you to grow your filling line capabilities as needed
- Infeed conveyor sensors ensure containers are present for filling
- Back up sensor on the discharge conveyor monitors out going container flow
- Discharge checkweigher provides a final check on the weight of each container, and sends data back to the filler so that adjustments can be made
- Based on the analysis of your product, the Mateer 6000 can be fitted with an optional high frequency funnel carrier vibration to improve product flow
- PLC-based reject system provides a triple-check to your product’s final downstream accuracy. Containers are checkweighed, feedback is sent to the PLC to correct the fill, and containers outside the weight specification are rejected. This is also available without the ability to reject containers, or with just the checkweigh component.
- Adjustable bottom rail makes operations more efficient and changeovers faster
- Adjustable product discharge height allows both the turret and auger height to be automatically adjusted when changing containers

Contact your Pneumatic Scale Angelus Mateer sales representative for a complimentary product evaluation at our Clearwater, FL Mateer Test Lab!



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