



Rotary Filling Systems

The Series CMR (Continuous Motion Rotary) fillers offer high-speed, high accuracy filling for a wide variety of powders and granules.

With turret sizes from 500mm PCD to 1350mm carrying 12 to 48 transfer funnels, production output up to 400 containers per minute can be reached. One, two, three and four filling head configurations are available, dependent upon the size of container neck opening and powder flow characteristics.

All-Fill's CMR systems fill exceptionally cleanly. The powder is progressed from the client's bulk feed system into the container via a completely sealed turret.

The fillers can be offered with fully integrated check-weighing and reject systems, together with full feedback to the filling head. The fill weight performance of the filling machine can be displayed in 'real-time' graphical form on the touch-screen HMI.

All powder contact parts are crevice-free for easy cleaning and can be removed and re-assembled speedily without the use of tools. Containers handling parts are quick-release and colour-coded for super-fast changeovers.

Standard Features

- ▼ Dust-free filling
- ▼ Quick-release, no-tools changeover
- ▼ FDA approved silicone "flex-seals"
- ▼ Auger machined from solid
- ▼ All stainless steel contact parts
- ▼ Container tamping system
- ▼ Servo-driven auger
- ▼ Servo-driven main turret
- ▼ Independent agitation drive
- ▼ Fully enclosed dust retention and extraction arrangement
- ▼ PLC control via touch-screen panel

Options

- ▼ 1 to 4 filling heads
- ▼ 12 to 48 transfer funnels
- ▼ Vibration or pulsed air technology
- ▼ Check-weigher or laser level feedback
- ▼ Integrated tare-and-gross weighing
- ▼ Piano reject system
- ▼ Lean-Clean 56 Litre Split Hopper
- ▼ Hopper Level Probe
- ▼ Bulk Feed Accessories
- ▼ Full stainless-steel specification
- ▼ 316L stainless steel contact parts



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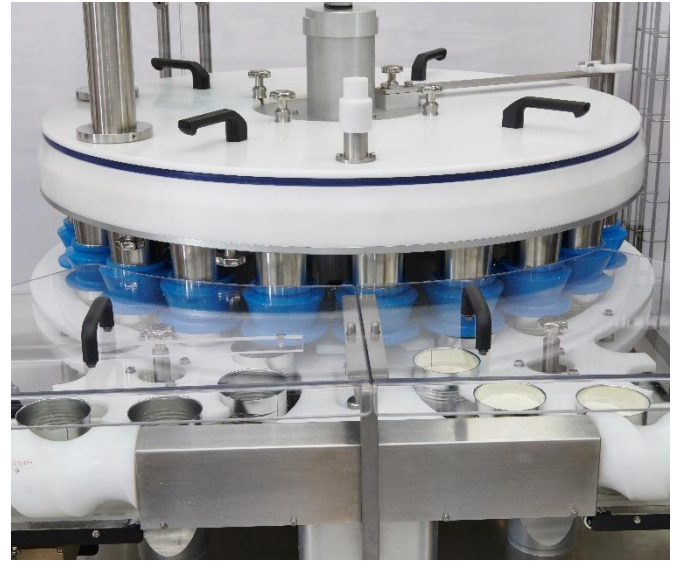
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Powder flow characteristics will determine the system of transfer from the funnel into the containers. Where vibration is employed, only the lower funnel section and the container is tamped, reducing inertia and noise levels. With small doses of sticky powders, All-Fill's unique pulsed air technology prevents bridging and sticking in the funnels.

For glass bottles and other containers of inconsistent weight, integrated tare-and-gross weigh systems provide 100% net weight validation.



Series CMR Continuous Motion Rotary Filling Machine, with the following options:

- ▼ 56L stainless steel split hopper
- ▼ Motorised jacking of the turret and filling head
- ▼ Vibratory level probe for connection to a hopper feed system
- ▼ Traffic light beacon
- ▼ Active feedback system with downstream check-weigher
- ▼ Piano reject system with gravity roller reject conveyor
- ▼ Ex (ATEX) certified inside the hopper and funnel plus for all external components

Series IMR Intermittent Motion Rotary Filler

- ▼ Monobloc Tare & Gross, Filler & Capper
- ▼ Acrylic hopper
- ▼ Tare weigh stations to weigh empty bottles
- ▼ Gross weigh stations to weigh filled bottles
- ▼ Integrated cap placement and closure
- ▼ 100% net weight validation
- ▼ Reject station with conveyor
- ▼ No bottle – no fill safety system
- ▼ 21CFR Part 11 compliant audit trail for weight validation
- ▼ Full statistical package with 'real-time' graphic trend display



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