



Powder Filling Solutions



All-Fill International Ltd has harnessed over 35 years of powder filling technology to offer its customers the following benefits:

The Equipment

- ▼ Fully enclosed filling head mounted on a solid head support plate for strength and rigidity
- ▼ Stainless steel contact parts as standard on all machines
- ▼ Augers designed to a high technical specification and machined from solid stainless steel, giving crevice-free contours
- ▼ Servo drive fitted as standard
- ▼ PLC control via touch-screen HMI panel with memory of all variable parameters
- ▼ Independent agitator drive system permitting 4 modes of agitation for optimum product handling
- ▼ Self-aligning quick-release hopper, auger and funnel, removable without tools in seconds
- ▼ Fill weights from 10mg to 50kg

The Company

- ▼ ISO9001 accredited and fully compliant with EU standards
- ▼ ATEX certified
- ▼ Manufacturing base in the UK
- ▼ Worldwide Agent and Distribution network
- ▼ Turnkey project capability with full after-sales support and service
- ▼ In-house customer test and demonstration facility
- ▼ 3D CAD-equipped in-house design department for bespoke filling solutions for non-standard applications

Auger Filling Technology



Since All-Fill was founded in 1969, it has established itself as one of the World's leading designers and manufacturers of high-specification auger-based filling equipment – a reputation achieved by continued innovation, commitment to quality and maintaining the highest standards of engineering.

One of the keys to All-Fill's success has been the durability and flexibility of the filling head. An extremely wide range of products, including both free flowing and non-free flowing powders, granules and pastes can be handled on the same machine with minimal change parts.

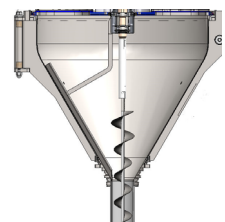
The versatility of the All-Fill filling head enables machines to be upgraded from volumetric to gravimetric filling, or from semi-automatic to fully automatic operation as requirements change.

Free Flowing Products



Straight auger with spinner plate ensures positive cut-off between fills. Funnel with optional dust extraction facility collects and guides product into containers.

Non-Free Flowing Products



Self-feeding auger ensures positive handling of powder and granular products. Standard and custom-made augers and funnels are available.

Comprehensive Range

All-Fill design and manufacture a wide range of filling equipment including semi-automatic, in-line automatic and rotary systems.

Semi-automatic machines can be either volumetric or gravimetric. Every machine has an independent agitator drive system, which can be fixed or variable speed. Gravimetric systems are offered with single shot, bulk and dribble, or bulk and predict options, together with full reporting functions when required.

In-line automatic systems are available with one, two, four or more filling heads. Features include easy-clean conveyor and stainless steel product contact parts, vibration at point of fill, lift system for smooth bottom-up filling, no-container no-fill control, no tools changeover, and positive container indexing. Other standard options include tare and gross weigh-stations, feedback control, and feed systems to the filling head(s).

Rotary machines are available with one to four filling head over turrets of 12 to 48 pockets, with outputs up to 400 containers per minute. Again, these can be integrated with gross or tare and gross check-weigher feedback systems.



The latest generation of Series 10 filler, thousands of which have now been sold worldwide, feature servo drive, independent drive for the agitator, touch-screen control and quick-release stainless steel hopper. A large range of options are available to suit individual requirements.



Series 400 quad-head in-line filler for filling instant coffee into round and square glass jars and tin cans. Features include wormscroll container feed, flex-seal dust control, volumetric filling of instant coffee powder, gravimetric filling of freeze-dried and agglomerated coffee, container vibration for granular settling.



Larger fill weights or inconsistent products demand a gravimetric approach for improved accuracy and reduced give-away. The Series 10 Sack filler can fill pails and sacks up to 25kg. The pneumatic bag clamp ensures that sacks are held securely during filling but can be removed tool-free when pails are being filled.

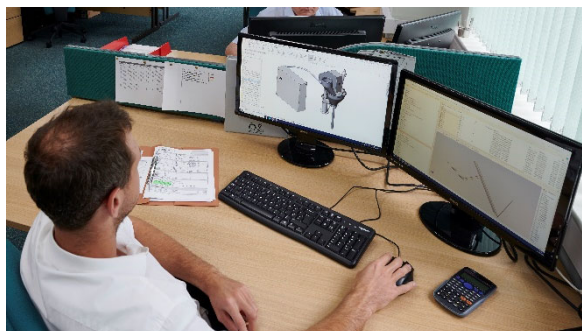


12 pocket continuous motion rotary filler for filling over 500 spice/herb combinations into PET catering jars at 120 jars per minute. Features the All-Fill "fully sealed" filling system, adjustable vibration settling, check-weigher feedback and touch-screen control.



Series 100 system for bottom-up filling of food powders and bouillon paste into square and round tubs, with tub de-nesting/presentation, lifting/lowering during filling, lid de-nesting/presentation and pressing.

Technical Back-up



Good design, quality components and precision engineering are the hallmarks of a good product. This winning combination gives All-fill its technical edge, confirmed by a formidable list of “blue chip” customers.

Maintaining these standards is reliant upon good team-work and systems. All-Fill International, operating from its modern purpose-built factory in Bedfordshire, have invested in sophisticated CAD hardware and software, ensuring its design and build capability is always at the forefront of technology.



Precision engineering requires a highly trained and skilled workforce. The manufacturing and production plant in Sandy, Bedfordshire boasts a workforce with the complimentary skills and crafts necessary to design and manufacture machinery with a build quality second to none, ISO9001 accredited for design, manufacture and after-sales support.

Our comprehensive research, development and test facility is constantly working to provide innovative solutions to our clients' powder filling and container handling needs.

Our staff, many with a lifetime's expertise in powder filling, are on hand to provide advice, assistance and training – **the complete technical back-up.**

All-Fill International's staff also has the engineering expertise to offer clients a single-source service for all equipment within the packaging line. Machines are selected from specialist manufacturers following detailed discussions with the client to establish a specification. Functions such as container sorting/cleaning, capping and labelling can be incorporated into the filling line together with powder bulk feeding, metal detection and check-weighing systems.

Complete lines are fully assembled at our product facility where Factory Acceptance Tests (FATs) prove performance and compliance with specification. All-Fill take turnkey responsibility for the entire line and from the first discussions, offer a single point of contact for specification development, order placement, project management, installation, commissioning and after-sales support.





All-Fill Network Worldwide

- ▼ Manufacturing bases
- ▼ Countries served by All-Fill International Ltd
- ▼ Countries served by All-Fill Inc.

All-Fill International has fast become a leader in the global market with its reputation as a supplier of high-quality auger-based filling equipment.



Client needs and product specifications are often diverse and challenging, but the combined expertise of All-Fill International and its sister company in the USA, All-Fill Inc., provides a formidable force that has the capability to provide a solution to virtually every powder filling application – worldwide.

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