



# **BULK** AUTOMATION

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## **PACKAGING AND ROBOTICS SOLUTIONS**

Product Range Overview

Specialists in Automated  
Bagging & Palletising Systems

## AUTOMATIC BAGGING MACHINES

Bulk Automation delivers robust, efficient and cost-effective bagging systems tailored to your operation. With over 35 years of expertise, our machines are built to last, simple to operate, and designed to maximise productivity.

### Our Bagging Solutions

- Vertical Form, Fill & Seal – Compact and versatile, ideal for limited space.
- Open Mouth Fully Automatic – High-speed, fully automated bag filling and sealing.
- Open Mouth Semi-Automatic – Operator-assisted for flexible, reliable performance.



## SEMI-AUTOMATIC BAGGING MACHINES

Bulk Automation offers semi-automatic bagging machines designed for efficient, flexible packaging of foodstuffs, chemicals, animal feed, and more. Ideal for low to medium production volumes, each machine is reliable, user-friendly, and customizable.



### Key Models:

- **BAF-400M:** Up to 8 BPM, compact, robust.
- **BAF-600M:** Up to 10 BPM, mobile, customizable.
- **BAF-600D:** Up to 10 BPM, advanced features for various products.



## BULK BAGGING



Bulk bagging systems are built for high-volume filling of large FIBC bags, ideal for aggregates, compost, soil, mulch, and other bulk materials. They enhance efficiency, safety, and consistency in large-scale operations.

These systems handle tunnel or looped bags placed onto the frame by an operator, and can then run fully or semi-automatically. Filling is available by pre-set weight or value matrix, depending on the product.

### Bulk Automation Bulk Bagging Systems

- **BAB-120B** – Entry-level belt feed bagger, up to 120 bags/hr
- **BAB-180S** – Side loading, High-speed system, up to 180 bags/hr
- **BAB-180R** – Rear loading, Rapid bulk bagger, up to 180 bags/hr
- **BAB-180C** – For non-free-flowing products, up to 180 bags/hr

## MOBILE PACKAGING UNITS

Take your packaging operation on the road with our containerised mobile units. Fully self-contained systems that combine bagging, palletising and wrapping into one flexible, turnkey solution. Built tough, easy to deploy, and custom fitted to your needs.  
Bulk Automation

### Our Mobile Units Options

- **BAC-600M** (Semi-Automatic) – Pre-made mobile unit, housed in a container, up to ~10 bags/minute. Bulk Automation
- **BAC-1000A** (Fully Automatic) – High throughput, fully automatic mobile packaging plant, up to ~17 bags/minute. Bulk Automation



## PALLETISERS

Streamline your load stacking with Bulk Automation's palletising systems. Whether you need consistency, speed, or flexibility, our mechanical and robotic palletisers are built rugged, smart, and tailored to your production needs.

### Our Palletising Types

- Robotic Palletising – Flexible robot systems that adapt to different product types & stacking patterns. Perfect for medium-to-high volume, mixed or varying SKUs.
- Cartesian Palletisers – Precise, compact machines. Ideal for bags, boxes or bundles. Fits well in tight spaces while delivering strong performance.
- Push-Type / Layer Palletisers – High-throughput, excellent for consistent layering. Great where speed & load stability matter.



## PALLET WRAPPING

Keep your products secure and your operation running smoothly with Bulk Automation's pallet wrapping and stretch hooding systems. Designed for strength, reliability and ease of use, our machines provide consistent load protection while reducing film waste and labour costs.

### Our Wrapping & Hooding Options

- Stretch Hooding – Protective hooding stretch wrap, ideal for stability and exposure protection.
- Automatic Wrapping – Fully automated systems that wrap pallets without manual intervention.
- Semi-Automatic Wrapping – Operator assisted, for speed with control.



## BESPOKE ROBOTIC SYSTEMS

Bulk Automation design and build robust, reliable robot palletising systems tailored to every requirement. Our palletisers boost production and consistency, with each system customised to customer needs. Using the flexible ABB robotic range, we deliver fully bespoke solutions.

Our engineers have created the “PRO STACK” program, integrated with the ABB platform, giving operators easy control of stacking patterns via the HMI.

We supply the full range of new ABB robots as well as reconditioned units. Systems range from simple floor-mounted palletisers for manual lines through to fully automatic, high-speed pallet handling solutions complete with pallet wrappers and stretch hood machines.



## CASE PACKING & BOX ERECTING



Make your end-of-line packaging work harder. Our case packing and automatic box erecting systems take care of erecting, filling and sealing – giving reliable protection, fast throughput, and less manual effort. Built for adaptability, they handle everything from cartons to trays with strong, durable design.

Model	Function	Speed (BPM)
MF/FC 450/600	Automatic box forming (cardboard)	Up to 12 boxes/minute
MF-CS-N/HM	Automatic box closing (sealing filled boxes)	Up to 20 boxes/minute



## PALLET HANDLING

Streamline the movement and flow of pallets through your facility with our robust, integrated pallet handling systems. From empty pallet distribution to full-load conveyors, turntables and shuttles, we build simple but powerful automation that integrates with your existing lines.

### Our Pallet Handling Options & Features

- Automatic Distributors/Pallet Dispensers — automatically feed empty pallets and underlays/PE sheets into your process.
- Rollers & Chain Conveyors — for smooth handling of full or empty pallets with minimum manual handling.
- Turntables — rotate pallet loads safely and efficiently to change orientation or direction in conveyors.
- Shuttles & Transport Platforms — mobile platforms for moving loaded or empty pallets across zones, floors or between lines



## PRODUCT LOADING & TRANSPORT

Strong, efficient, and versatile systems to move your product smoothly from start to finish. We can offer:

- Load Belts - Flat belts that feed granular product into further packaging machinery. Smooth, simple, robust.
- Screw Conveyors - For powder or slow-flow products; can be horizontal, inclined or vertical; made in stainless steel (304 or 316).
- Tubular Chain Conveyor Enclosed transport for granular or powdery items over longer distances; protects delicate product; energy- efficient (up to ~50% saving over conventional conveyors).
- Bucket Elevator Lift product vertically without damage — good for fragile or delicate granules.
- Vibrating Screen Separate different sizes of granules; remove dust; clean product before packaging. Easy mesh change-over.





## SHRINK WRAPPING

Clean, secure secondary packaging using continuous-shrink technology - bundles finished with tight, tidy film for protection, stacking & shipping.

**MF-V-80/120** - Automatic shrink wrapper using heat-shrinkable film for packaging bags with square block bottom, bricks and cases arriving vertically on the infeed belt. Ideal for medium/high production.



**MF-O-100/120** - Automatic shrink wrapper using heat-shrinkable film for packaging bags of any shape arriving horizontally on the infeed belt. Ideal for medium/high production.

## WEIGHING & FEEDING

Bulk Automation offers a wide range of feeders for electronic weighing machines, including vibrating channel, belt, horizontal screw, gravity, and turbine. Each has features suited to different products and can be installed on any automatic or semi-automatic packaging machine.



**Electronic Weighing** – Fast, high-accuracy scales to ensure weight accuracy.

**Feeding Systems** – Vibrating channels, belts, screws or gravity-feeds to move product smoothly into the weigh unit.

**Volumetric Dosing** – Consistent product volume per dose, ideal for free-flowing materials.

## AUTOMATION ACCESSORIES

Bulk Automation supplies a full range of accessories to complete your packing line — ensuring reliability, quality control, and smooth operation.

### Accessories We Supply

- Check Weighers
- Motorised Metal Detectors
- Annular Metal Detectors
- Thermal Markers
- Inkjet Printers
- Print-Apply Units
- Package Turntables
- Vacuum Chambers
- Underlay Grippers (for pallets)
- Pallet Grippers
- Bulk Bag Hydraulic Lifts



“Throughout the initial design process all the way through to commissioning Bulk Automation have provided us with the highest standard of professionalism and quality.

The build quality is exceptional and the user interface simple and easy to navigate.

We would definitely recommend Bulk Automation and will certainly be using them again. ”

*Altico Garden Products Ltd*



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