



MANUAL BAGGING SYSTEMS



CELEBRATING 25 YEARS IN BUSINESS

Manual Bagging Systems

What you can expect from our Manual Bagging Systems

RMGroup tailor manual bagging systems to suit your product, bag type and desired throughput. All systems are built to order, so our technical sales department and design engineers work with you to create a bagging line specific to your application and budget.

RMGroup supply the complete system from bulk hoppers, in-feed and weighing systems through to bag handling conveyors, sack closing and bag preparation pre palletising. Our programming engineers design bespoke programmes to suit your application. That way we can ensure that you achieve maximum outputs from your manual bagging line.

Manual Bagging Systems for products with poor flow characteristics

For products with poor flow characteristics (such as peat, compost and soil) Design engineers have developed an in-feed system which promotes product flow and minimises bridging in the hopper. The MB-400C provides the perfect solution to such issues. Our technical engineers designed the hopper with a wide belt conveyor that feeds into a secondary conveyor which transfers product through to the loadcell bag clamp. This system eliminates any downtime due to poor flow of product allowing users to achieve greater bagging speeds.



Include a Bulk Bagging System with your manual system

The MB-400 and MB-500 range can be built with an integrated bulk bagging system. The system would utilise the same in-feed system used for the small bag filling operation as the bulk bag system. We would supply a heavy duty steel platform to which the small bagging system is mounted. The platform is simply lifted away from the in-feed conveyor and replaced with the bulk bagging frame, weighing platform and control panel. A cost effective solution for customers looking to optimise their product range using one system

Options & Features...

- Compliance to BS EN Standards
- Include a robot palletising system
- Easy to transport and relocate
- Accurate weightings
- Easy to operate
- Single or three phase power requirements
- 12 months warranty on all new equipment

Products bagged with our manual systems

Aggregates
De-icing Salt
Coal
Compost
Animal Feed
Wood pellets

Grains/Lentils/Peas
Decorative aggregates

Fertilizer
Peat

Cat litter
Asphalt

MB-300

The MB-300 is a simple and yet robust bag filling system, capable of bagging up to 300 bags an hour. The starter model in our manual bagging range provides a suitable bagging solution for those looking to test their consumer market with packed product. A desirable investment for those who are new to the packaging industry.

The system accepts various bag sizes and is suitable for many different applications. As standard, the MB-300 comes complete with 4 tonne hopper, shaker tray, electronic twin load cell weighing system complete with weigh indicator, pneumatic bag clamp, bag trolley and Star 66 heat sealer with pedestal.



Principle of operation:

Loose bulk product is loaded into the hopper by means of a loading shovel. Operators place a pre-made bag on the filling spout, electronic sensors detect a bag in position then the shaker tray fills product into the bag. Once the desired weighment has been achieved, the system automatically shuts off and operators press the red button in order to release the bag from the clamp. The trolley system is then used to support the bag for the impulse sealer before being presented for pallet stacking.



Options to include

- Larger hopper capacity
- Option of including Auger feeding system for powdered products
- Screening systems for fines on shaker trays
- Handheld stitching units for paper/polyethylene bags
- Feed conveyor for improved in-feed speed.
- Slip shot hopper lining
- Continuous heat sealer and filled bag conveyor



Technical Data

System type
MB-300

Throughput
300 bags p/hr*

Weighing Capabilities
5-30Kg

Sealing Type
Impulse sealing

Air supply
7 CFM

Power supply
240v/415v 16amp

* Operator & product dependant

MB-400

Options to include

- Handheld stitching units for paper/polyethylene bags
- Larger hopper capacity
- Slip shot hopper lining
- Bulk bag filling system
- Bag kicker and flattener
- Upgrade with a robot palletising system at a later date

Technical Data

System type

MB-400C

Throughput

400 bags p/hr*

Weighing Capabilities

10-30Kg

Sealing Type

Continuous

Air supply

7 CFM

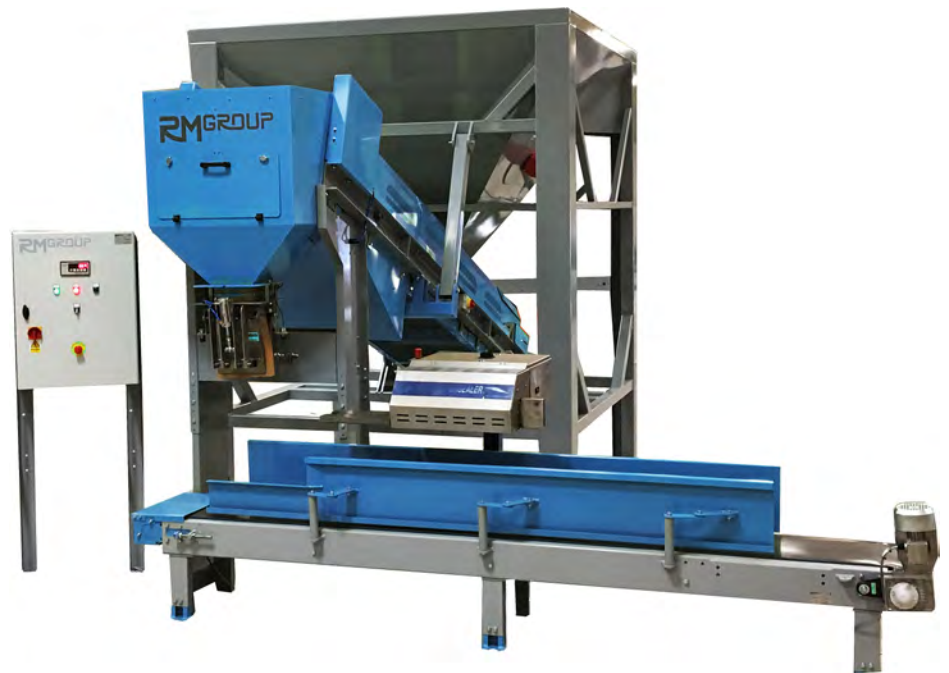
Power supply

315v 20 amp

* Operator & product dependant

The standard MB-400 presents as an ideal solution for customers looking to bag good free flowing product. As a manual bagging system with belt in-feed conveyors and variable speeds programming, operators have been known to reach speeds of up to 400 bags an hour.

Standard bagging machines usually include a 5m hopper, In-feed conveyor, pneumatic bag clamp, electronic twin load cell weighing system complete with weigh indicator, 3m filled bag conveyor with guide panels and a continuous heat sealer. This system is most suitable for customers looking to include or later upgrade with a robot palletising system.



Principle of operation:

Loose bulk product is loaded into the hopper. The in-feed belt conveyor transfers product into the load cell bag clamp. An operator is required to place a pre-made bag on the filling spout. Once sensors detect a bag in position, the in-feed system starts up. When the desired weight has been achieved, the system automatically shuts off and the bag is released from the clamp and dropped onto the filled bag conveyor. It is then conveyed through the continuous heat sealer before being presented for pallet stacking.



MB-400C

If you have a requirement to pack product with poor flow characteristics such as Compost, Peat, Bark or Animal feeds then look no further than the MB-400C. Its versatility by allowing users to pack a wider variety of products makes this system a popular choice in the manual bagging range.

Standard systems include a 5m³ tonne boat hopper with wide in-feeding belt, secondary in-feed conveyor, pneumatic bag clamp, electronic twin load cell weighing system complete with weigh indicator, 3m filled bag conveyor with guide panels and continuous heat sealer.



Principle of operation:

Bulk product is loaded into the hopper. The wide belt in the main hopper drives product through and onto a secondary in-feed conveyor which transfers product into the load cell bag clamp. An operator is required to place a pre-made bag on the filling spout. Once sensors detect a bag in position, the in-feed system starts up. When the desired weight has been achieved the system automatically shuts off. The bag is released from the clamp and dropped onto the filled bag conveyor. It is then conveyed through the bag sealer before being presented for pallet stacking.

Options to include

- Stitching units for paper/polyethylene bags
- Bag kicker and bag flattener
- Larger hopper capacity available
- USB data export from weigh indicator
- Upgrade with robot palletising system
- Vibrators
- Rotary agitators

Technical Data

System type
MB-400C

Throughput
400 bags p/hr*

Weighing Capabilities
10-30Kg

Sealing Type
Continuous heat seal or stitch

Air supply
7 CFM

Power supply
315v 20 amp



* Operator & product dependant

MB-500

Options to include

- Stitching units for paper/polyethylene bags
- Robot palletising system
- 10/15 Tonne hopper & in-feed
- USB data export from weigh indicator
- Upgrade to an automated bag placing system with heat sealing total bag control.

Technical Data

System type
MB-500

Throughput
500 bags p/hr*

Weighing Capabilities
10-40Kg

Sealing Type
Continuous

Air supply
7 CFM

Power supply
315v 20 amp



* Operator & product dependant

For customers who have an existing in-feed that they would like to utilise, then an MB5-00 bagging system would serve as a practical system upgrade. The MB-500 includes an inlet hopper which controls flow of material through to the bagging head. Bagging speeds can be altered with ease using variable speeds programming via the operator control panel. Good operators have been known to reach speeds of up to 600 bags an hour using this system.

Typically, the MB-500 includes inlet hopper with in-feed belt, pneumatic bag clamp complete with weigh indicator, 3m filled bag conveyor with guide panels and continuous heat sealer. Customers can also include a hopper and in-feed conveyor from RMGroup to complement the system. Most customers opt for a robot palletising system with their MB-500, this however can be added to the system at a later date.



Principle of operation:

In-feed conveyors drive product through to the MB-500 which transfers product into the load cell bag clamp. An operator places a pre-made bag on the filling spout. Only when the desired weighment has been achieved does the system automatically shut off and the filled bag is released from the clamp and dropped onto the bag conveyor. It is then conveyed through the continuous heat sealer before being presented for pallet stacking.



Aftersales Service & Support

RM Group aim to offer the highest standard of service & support to ensure the efficiency and reliability of our equipment. RM Group's dedicated service team has engineers based across the UK to ensure the best possible support can be given in the swiftest response time. On top of this, all our systems can be installed with remote access technology, allowing any issues to be diagnosed remotely within minutes and in most cases solved. This also allows us to make recommendations and assist customers in the early days of operating the RM equipment, which ensures a smooth handover. Critical parts are also stocked in the UK to ensure next day availability, with some parts available same day.

Warranty

All new equipment supplied by RM Group is covered by 12 months warranty. Used equipment is supported by 6 months warranty. This covers any repair or replacement of defective parts from the date of installation. Increased warranty periods can also be offered.



Response Package

RM Group can offer guaranteed breakdown response as part of our Service & Support packages. This ensures you will have an engineer on site within an allotted time, making certain expensive downtime is kept to a minimum. Out of hours remote support is also available up to 24 hours a day, meaning an engineer will be on hand to offer support over the telephone, or via our remote connection tool, which offers complete access to all systems.

Spares Packages

RM Group endeavour to hold all consumable spares for your systems in stock. Spares can be sent on an overnight delivery and can arrive with customers before 9am the following day.

For every new system installed, a recommended spares list is provided, ensuring you have everything you need for day to day running of the equipment.

Planned Preventive Maintenance

Scheduled maintenance carried out by our dedicated service team is essential in maximizing machinery performance equipment failure and expensive production downtime.

- Scheduled Preventative Maintenance
- Maintenance reporting
- Out of hours technical support
- Recommendations for optimising performance, longevity and safety
- Advice on programming, fault-finding and other related work
- Service & Support plans can be tailored to suit the customers requirements, including guaranteed breakdown response, out of hours support and visits per year

As standard, all systems are installed by our engineers who stay on site until operators are comfortable to manage systems alone. Any additional training can be provided at a later date





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