



FORM FILL & SEAL PACKAGING SYSTEMS



CELEBRATING 25 YEARS IN BUSINESS

Vertical Form Fill and Seal Packaging Systems

RMGroup specialise in packaging bulk product, offering the perfect solution for bagging building products, animal feed, peat/compost, bark, food products, chemicals, fertilizer and more.

Packing capabilities range from 500g to 50Kg at rates of up to 3600 bags per hour.

RMGroup have been installing Form Fill and Seal machines since 1997 and can boast an impressive client reference list.

Advantages of using vertical Form Fill & Seal machines over automatic bagging machines for pre-made plastic bags

Form, Fill & Seal systems are more reliable allowing the operator to leave the machine unattended and perform other duties.

There is no need to re-stack an empty bag magazine. The FFS machine has a large diameter roll of flat film offering a far greater bag capacity than any traditional magazine.

Our systems produce bags from a roll of flat printed film, providing you with the most cost effective packaging solutions compared to other methods.

Principle of operation

The film is shaped around the forming tube shoulder. It is then pulled downwards by rubberized belt pulling units fixed on either side of the forming tube. The pulling action is initiated by Servo Motors. The length of rotation is controlled using a variable cam or PLC System, which will increase or decrease the length of the bag. The system can also allow for varying widths of packing, a changeover process that can be done in very reasonable time. Once the tube length reaches its pre-set length, horizontal sealing takes place. The sealing unit is attached to a special two way cylinder and hardened sealing jaws. Between the sealing jaws, a cutting blade and hole punch is working independently. Air extraction and Nitrogen flushing can also be provided if required.

- **Highly recommended for those looking to bag large volumes of product**
- **Greatly reduces cost of film for those looking to bag high volumes of product.**
- **Ideal for long production runs**
- **Easy to operate**
- **Low maintenance costs**
- **No bag pick up or presenting issues**



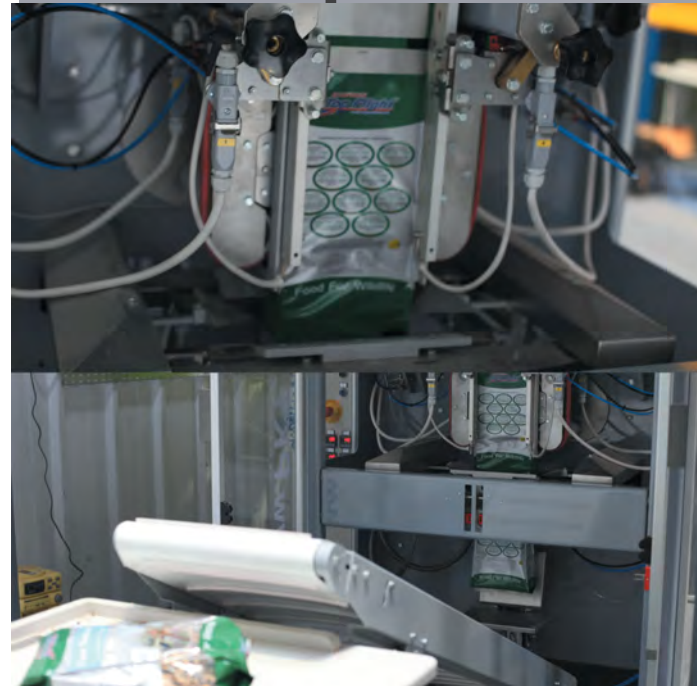
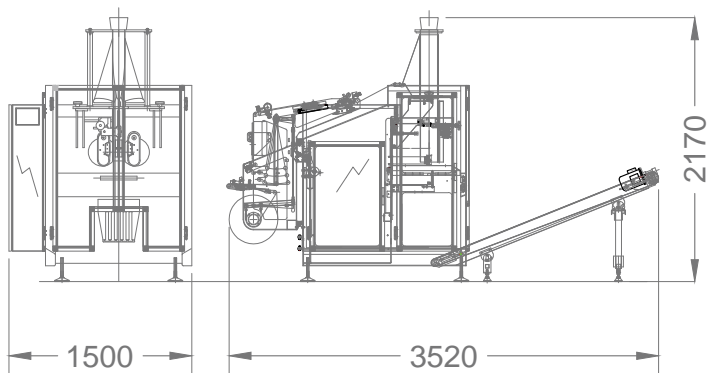


FPK 42

The FPK 42 is the smallest packaging system in the Form Fill & Seal series. It is ideal for those looking to pack 500g - 5Kg bags. Together with a multi-head weigher, the system is capable of achieving up to 60 bags a minute, depending on the product type.

Technical Data

Sack Dimensions	270 x 380mm
Maximum Reel Width	600mm
Maximum Reel Diameter	400mm
Designed Speed	60 Bags P/Min*
Power Input	4Kw
Air Consumption	50 Litres per cycle
Weight	800Kg
Applied Technology	Electric pneumatic



* Product dependant

FPK 44

The FPK 44 is one of the most popular Form Fill & Seal vertical bagging systems. It proves to be extremely versatile to handle most applications. Previous installations include packaging lines for wood pellets, animal feeds, rock salt, wet sand and other aggregates.

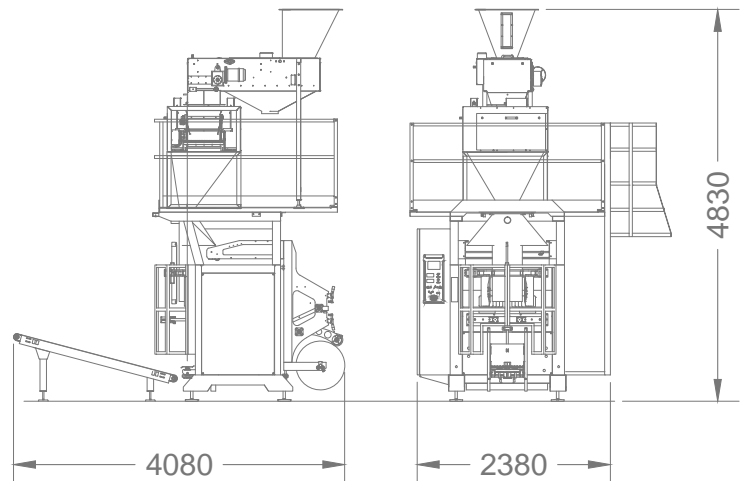
This particular model can be manufactured specifically for bagging rock salt. It comes fitted with stainless steel contact parts to counteract the abrasive qualities of the product, thus providing a robust bagging line for the customer for years to come.

* Product dependant



Technical Data

Sack Dimensions	680 x 480mm
Maximum Reel Width	1000mm
Maximum Reel Diameter	600mm
Designed Speed	25 Bags P/Min*
Power Input	6Kw
Air Consumption	50 Litres per cycle
Operating Pressure	6 Bar
Weight	2200Kg Brushless
Applied Technology	Motor



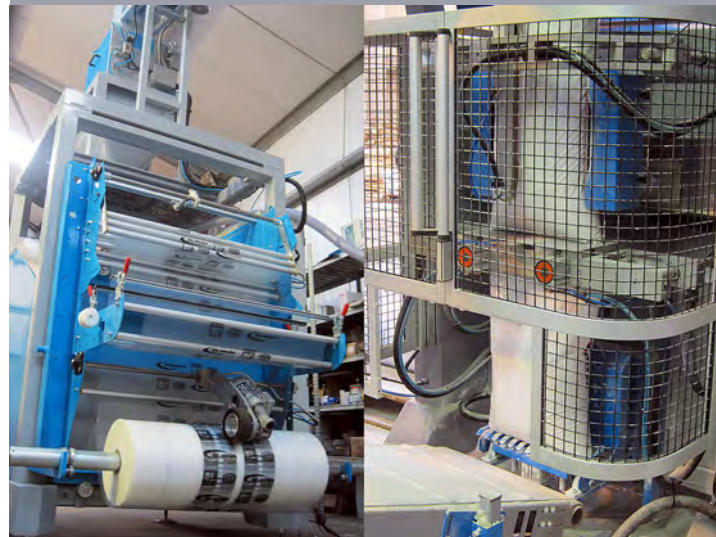
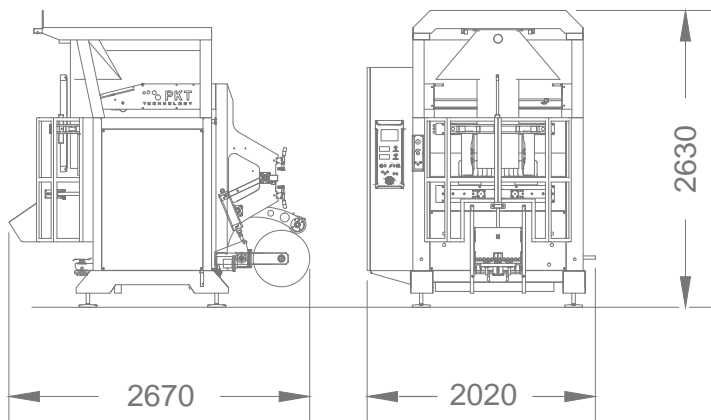


FPK 46

The FPK 46 provides the perfect solution for those looking to bag animal feeds, cat litter or wood pellets. It has the ability to reach a throughput of 18 bags a minute, depending on product type and bag size. The FPK 46 is one of the most popular Form, Fill & Seal machines available due to its versatility to lend itself to many products along with its robust mechanical components.

Technical Data

Sack Dimensions	830 x 530mm
Maximum Reel Width	1100mm
Maximum Reel Diameter	600mm
Designed Speed	18 Bags P/Min*
Power Input	6Kw
Air Consumption	50 Litres per cycle
Operating Pressure	6 Bar
Weight	2400Kg Brushless
Applied Technology	Motor



* Product dependant

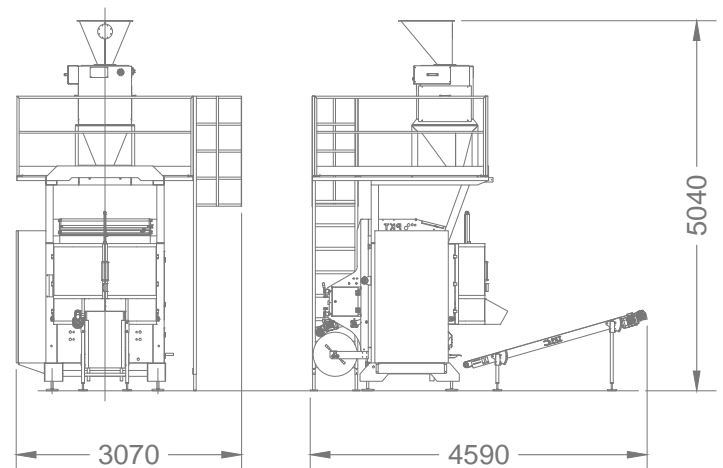
FPK 48

The FPK 48 follows the FPK 46 in the Form, Fill and Seal range. It has a larger film reel width for production of larger bag sizes. Previous applications used with this machine include coal, animal feeds and wood pellets.



Technical Data

Sack Dimensions	980 x 580mm
Maximum Reel Width	1200mm
Maximum Reel Diameter	600mm
Designed Speed	16 Bags P/Min*
Power Input	7Kw
Air Consumption	50 Litres per cycle
Operating Pressure	6 Bar
Weight	2800Kg Brushless Motor
Applied Technology	



* Product dependant

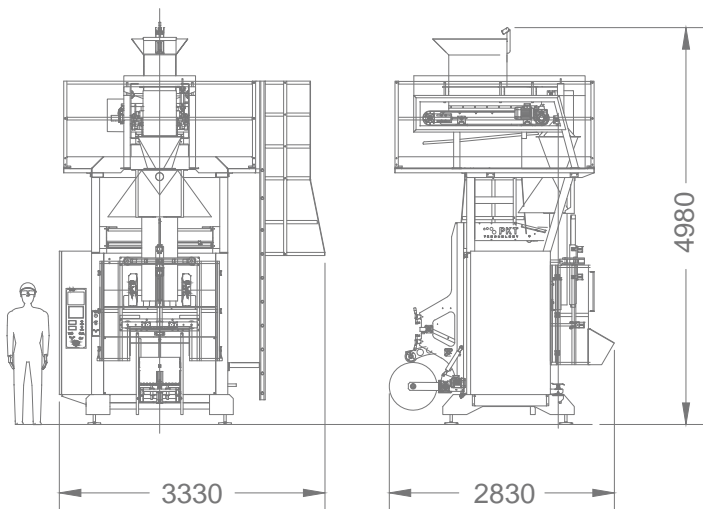
FPK 50

The FPK 50 lends itself to bulky products. However an advantage of using the FPK 50 is that it is capable of bagging in smaller bag sizes. This system is also suitable to those looking to use a euro pallet for bigger bags.



Technical Data

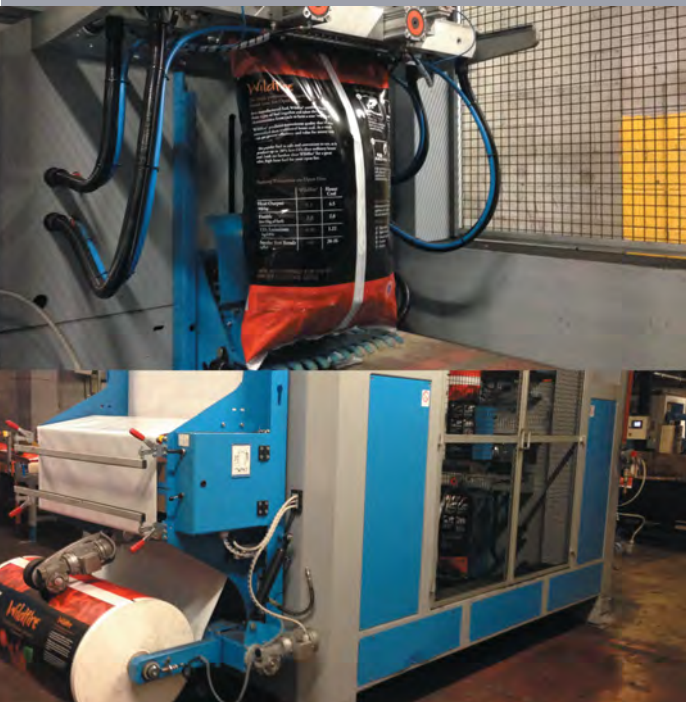
Sack Dimensions	1080 x 630mm
Maximum Reel Width	1300mm
Maximum Reel Diameter	600mm
Designed Speed	15 Bags P/Min*
Power Input	7Kw
Air Consumption	50 Litres per cycle
Operating Pressure	6 Bar
Weight	3000Kg
Applied Technology	Brushless Motor



* Product dependant

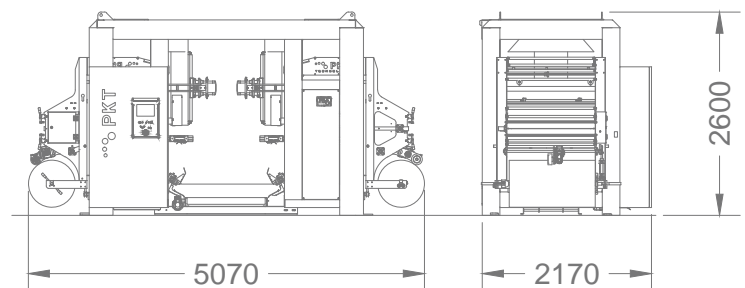
EK 66

The EK 66 combines two FPK46 machines to form a high speed system that is capable of producing 60 bags per minute. The two systems work in synchronisation, cycling alternately in order to efficiently produce and convey the bags. The system is extremely popular with coal distributors as it can pack 25Kg coal at a rate of 20 bags per minute.



Technical Data

Sack Dimensions	830 x 530mm
Maximum Reel Width	1100mm
Maximum Reel Diameter	600mm
Designed Speed	60 Bags P/Min*
Power Input	12 Kw
Air Consumption	100 Litres per cycle
Operating Pressure	12 Bar
Weight	5000 Kg
Applied Technology	Brushless Motor



* Product dependant



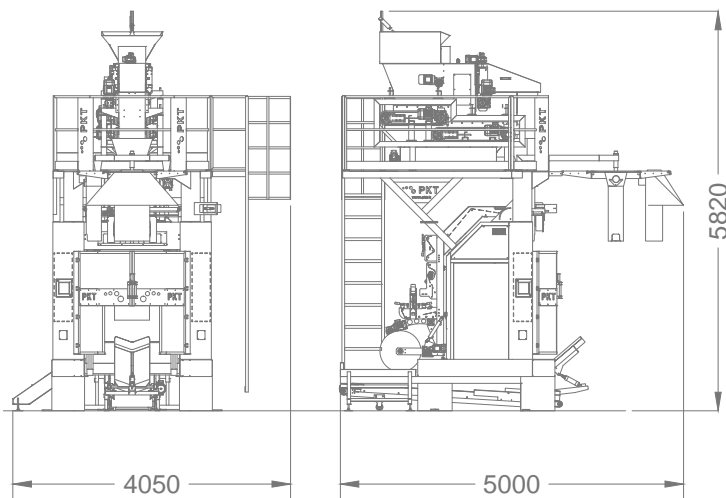
FPK 88

The FPK 88 incorporates the latest in FFS technology. Its design allows for continuous product production.

The high speed 2,000+ bag-per-hour continuous vertical Form Fill and Seal machine for large bags. Everything is contained within the machine frame, including the control cabinet. A PC multi-axis servo motion system and integrated HMI touchscreen machine controller allow for a very compact footprint.

Technical Data

Sack Dimensions	980 x 580mm
Maximum Reel Width	1200mm
Maximum Reel Diameter	600mm
Designed Speed	30 Bags P/Min*
Power Input	7Kw
Air Consumption	50 Litres per cycle
Operating Pressure	6 Bar
Weight	2800Kg
Applied Technology	Brushless Motor



* Product dependant

Form Fill and Seal De-aeration

RMGroup are proud to present an innovative packaging solution to the cementitious packaging industry.

The Vertical Form Fill and Seal vacuum packaging machine uses flat film on a reel to produce a waterproof bag suitable for cement, powder & food products. Before the bag is sealed, the de-aeration system expels air out of the bag to create a vacuum with block bottom bag. The polyethylene bag produced is completely sealed and excludes micro perforations. This technology will inevitably displace the use of expensive paper valve sacks.



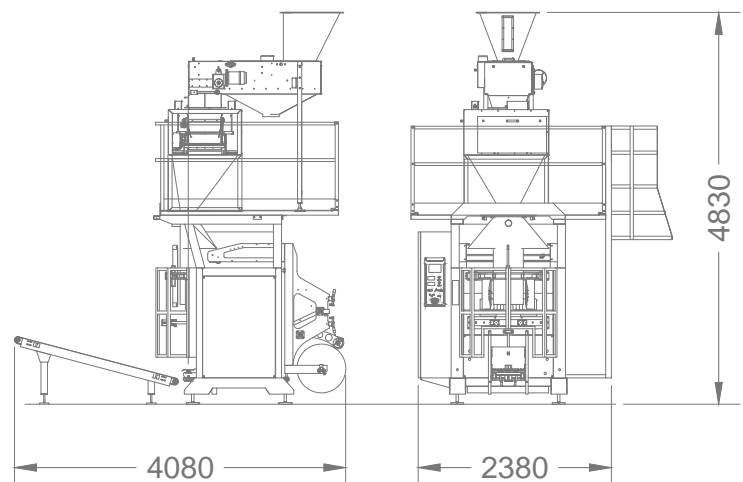
Benefits & Features

- Capable of producing up to 8 bags per minute.
- Vast cost savings on packaging: Valve sacks can cost in excess of 25p per bag as opposed to cost of a flat film bag at less than 12p per bag.
- Polyethylene bag is not affected by any form of moisture, unlike paper bags.
- Substantial cost savings on capital expenditure of machinery.



See Our Systems Operating

RMGroup have installed the FFS: Deaeration System for post mix suppliers in the UK. Please contact our Sales Team to arrange a viewing of the system in operation. Alternatively you could visit our website to watch the video and find out more about all products supplied by RMGroup.



* Product dependant

Aftersales Service & Support

RMGroup aim to offer the highest standard of service & support to ensure the efficiency and reliability of our equipment. RMGroups dedicated service team has engineers based across the UK to ensure the best possible support can be given in the quickest possible 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 RMGroup 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

RMGroup 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

RMGroup 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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