



# BUILD ING TECH NOL OGY

PRODUCTS CATALOGUE

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# FPK24

PKT are proud to introduce an innovative packaging solution suited to a number of industries where humidity control is critical.

The machine uses a reel fed film to form a "water resistant" bag. The process is particularly suitable for products such as cement, powders and food stuffs.

Before sealing, a vacuum system draws a controlled amount of air from the formed plastic bag containing the product, creating a sealed manageable package, without need for further means of air evacuation.

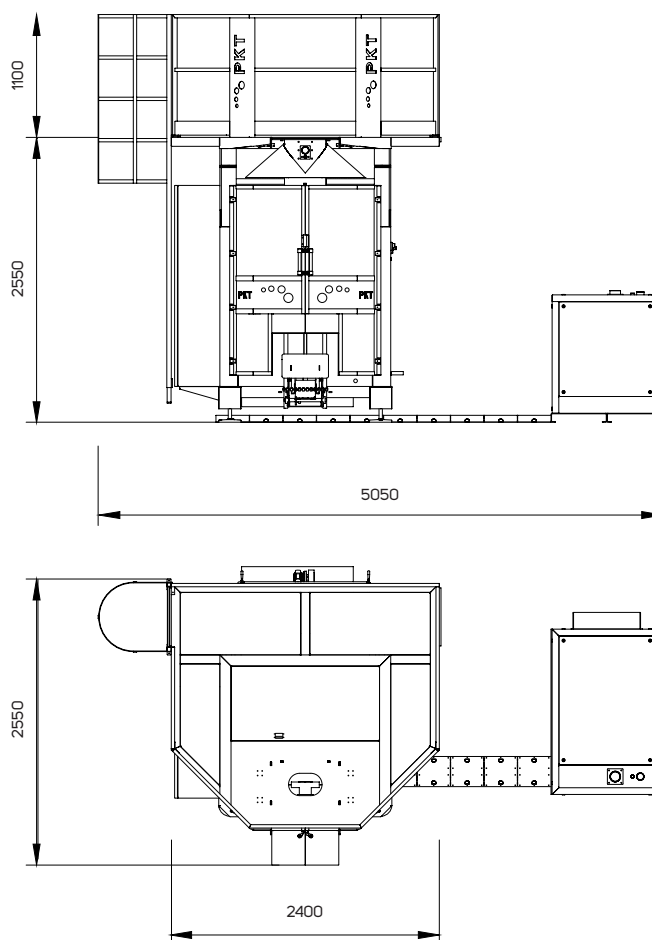
This completely sealed packaging solution will inevitably substitute traditional paper bag packaging which is not humidity tight.





#### Specifics and benefits

- Cycle speed up to 8 bags per minute
- Savings on the packaging over alternative "valve bags" which can be more costly
- Polyethylene bags are not humidity affectable.
- Huge savings on capital expenditures of machinery



## Technical details

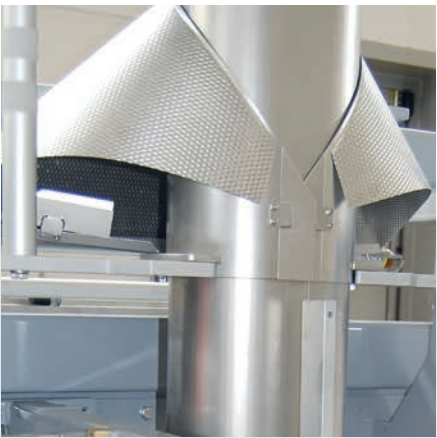
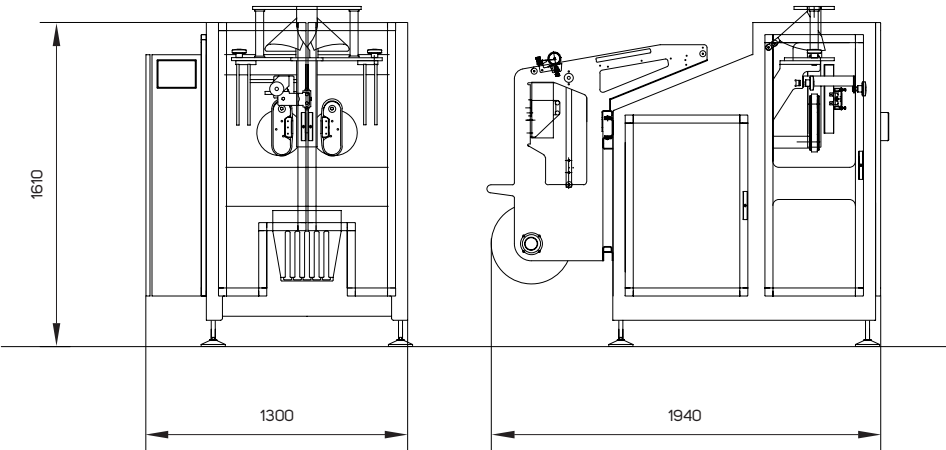
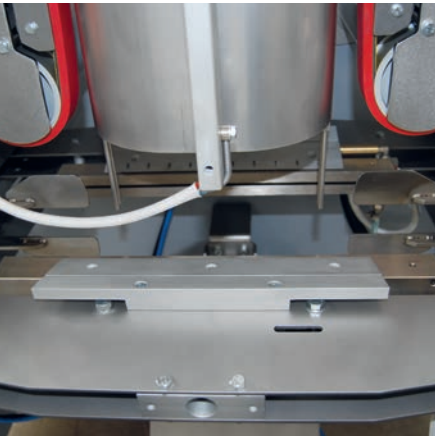
Maximum bag length (empty)	680 mm
Maximum Reel Width	1100mm
Maximum Reel Diameter	600mm
Designed speed	Up to 480 bags /hour
Installed power (3x400+N+G)	10 Kw
Air consumption (8 bar)	Minimum 800 lt/min

# FPK42

Smallest in our range, the FPK42 packing machine is ideal for producing 1-5 kg bags. Combined with a multi-head weigher it can reach up to 60 bags / minute with some product types.

The FPK42 uses reel fed film, PP or PE and combines perfectly with a number of our weighing or dosing systems; DPK6T, LPK5/L, CPK5/L.

Suggested ideal products for this packing machine are; snacks, pasta, rice, dried fruits, cereals, pet-food, vegetables etc.



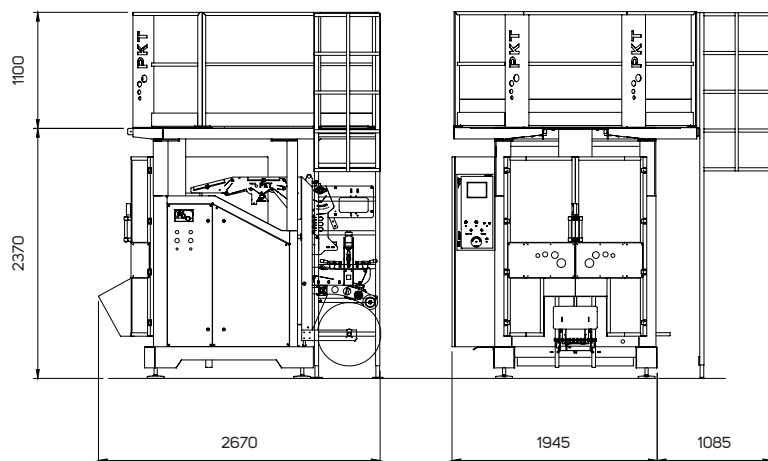
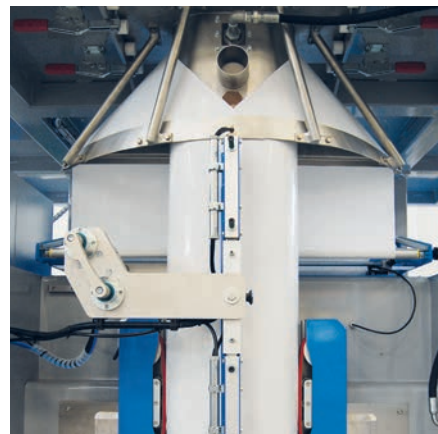
## Technical details

FPK42	700	800
Maximum bag length (empty)	400mm	500mm
Maximum Reel Width	700mm	800mm
Maximum Reel Diameter	350mm	350mm
Designed speed	Up to 60 bags /hour	Up to 60 bags /hour
Installed power (3x400+N+G)	4 Kw	4 Kw
Air consumption (8 bar)	1000 lit. min	1000 lit. min

# FPK44

The FPK44 is our most popular mid-range vertical packing machine.

Able to combine with all dosing or weighing systems, the FPK44 can be equipped and customised to meet specific customers needs.



## Technical details

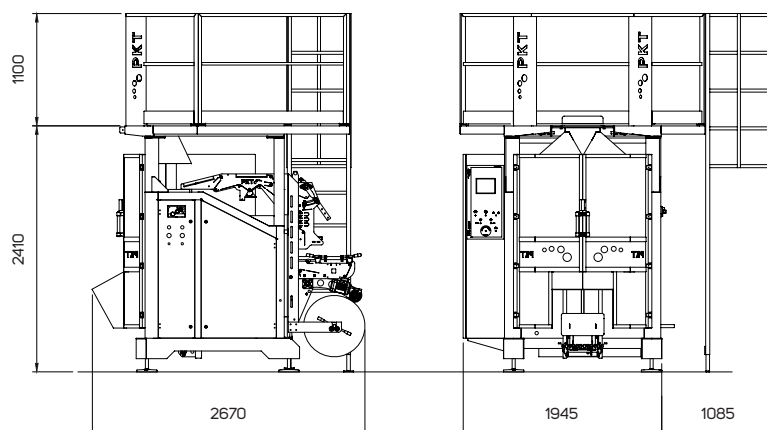
Maximum bag length (empty)	680mm
Maximum Reel Width	1000mm
Maximum Reel Diameter	600mm
Designed speed	Up to 1800 bags /hour
Installed power (3x400+N+G)	5 Kw
Air consumption (8 bar)	1200 lit. min

# FPK46

The FPK46 is another very flexible option within our range of packing machines.

It has been proven to suit many packing applications for a wide range of products, including wood pellets, pet-foods, salt, wet sand and other aggregates.

Able to combine with all dosing or weighing systems, the FPK46 can be equipped and customised to meet specific customers needs.



## Technical details

Maximum bag length (empty)	830 mm
Maximum Reel Width	1100mm
Maximum Reel Diameter	600mm
Designed speed	Up to 1600 bags/hour
Installed power (3x400+N+G)	6 Kw
Air consumption (8 bar)	1500 lit. min

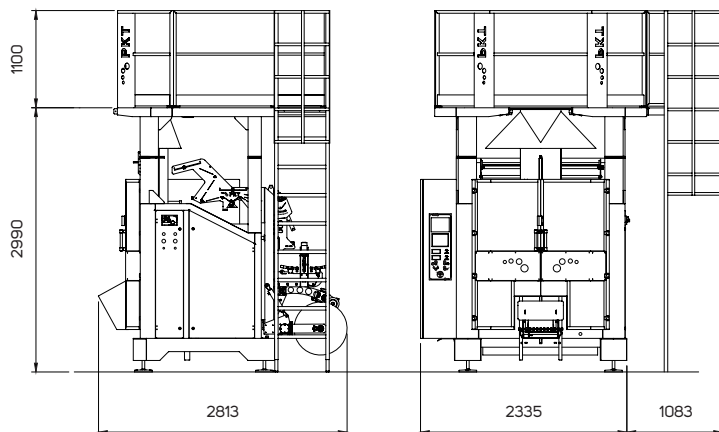


FPK48

The FPK48 follows our FPK64 in the forming, feeding and sealing components. It can support a wider reel widths to produce bigger bags.

Recommended for medium to high volume production lines. Versatility allows working with different types of film. Recent applications have included carbon, pet-foods and wood pellets.

The machine can be equipped to meet individual needs. Controlled by industrial PLC, with an easy-use operator HMI.



## Technical details

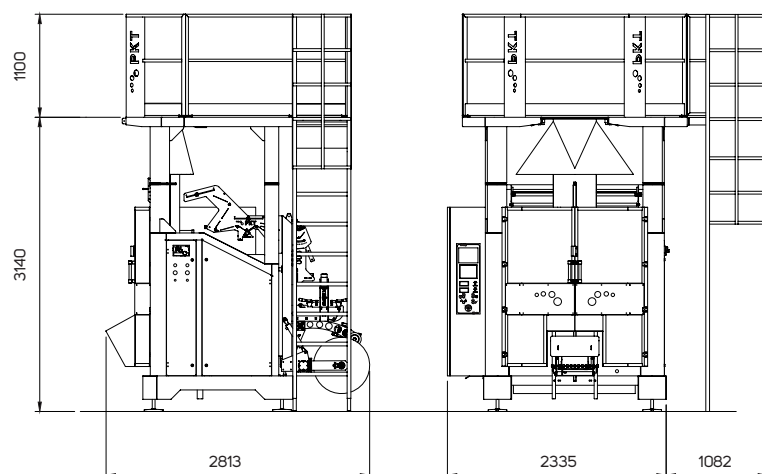
Maximum bag length (empty)	980 mm
Maximum Reel Width	1200mm
Maximum Reel Diameter	600mm
Designed speed	Up to 1600 bags/hour
Installed power (3x400+N+G)	6 Kw
Air consumption (8 bar)	1500 lit. min



# FPK50

The FPK50 packing machine is largest in the PKT range. This machine supports wider reel widths to produce bigger bags.

Recent applications have included wood chips and pet-foods.



## Technical details

Maximum bag length (empty)	1080 mm
Maximum Reel Width	1300mm
Maximum Reel Diameter	600mm
Designed speed	Up to 1500 bags/hour
Installed power (3x400+N+G)	6 Kw
Air consumption (8 bar)	1500 lit. min



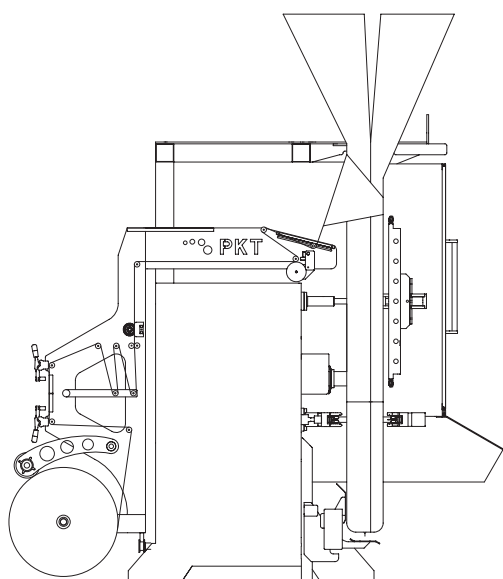
# BI-BAG

Up until now, packing two products in one bag without contamination and loss of specific properties has been a problem.

The available solutions were:  
1 - Put one bag inside another.  
2 - Install an expensive and complex machine utilising 3 reels.

At PKT we have developed the "Bi-Bag".  
A system to create two compartments in one bag from just one film reel. This innovative solution grants a number of benefits:

- Simple to use
- Inexpensive to maintain
- Easy and fast change of format
- Possibility to produce the innovative bi-bag or a conventional single bag
- There is also the possibility to create bags with bellows



## Technical details

	BI-BAG 46	BI-BAG 48
Bags compartment	From 0 to 30% - from 100 to 70%	From 0 to 30% - from 100 to 70%
Maximum bag length	(empty) 820x450 mm	(empty) 920x450 mm
Designed speed Up to	600mm	600mm
Designed speed	Up to 800 bags/hour	Up to 800 bags/hour
Installed power (3x400+N+G)	8 Kw	8 Kw
Air consumption (8 bar)	1500 Lit. min	1500 Lit. min

# FPK66/68

FPK 66/68 is composed by two packing machines, FPK66 and FPK68, to become a very fast system to pack till 60 bags per minute. These two machines work in synchro with alternating cycles to produce and load efficiently the conveyor belt. This application is the most popular to pack coal, due to its capacity of producing 25 kg coal bag at an average of 20 bags per minute. The concept of series 6 is born considering our customers technical specifications, to reply to requests that seem impossible:

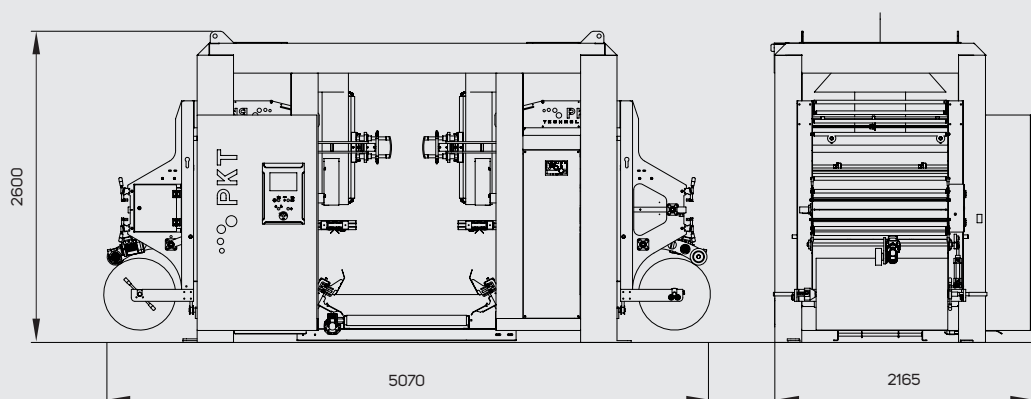
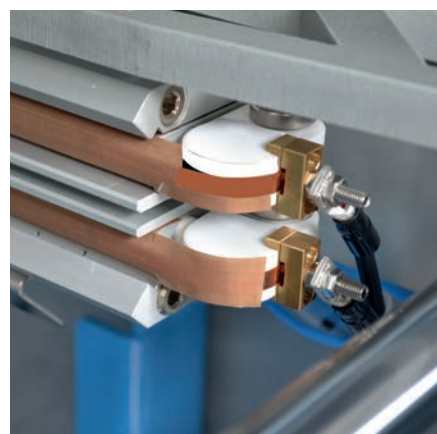
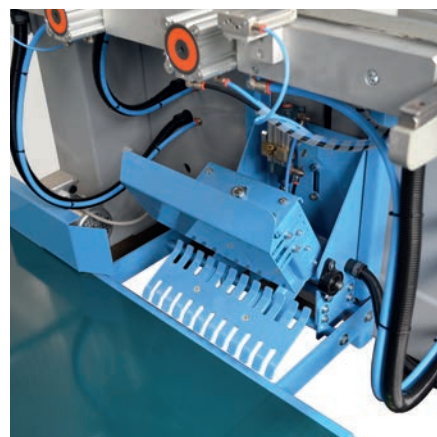
- High performance
- Reliability
- Simplicity
- Cheap running cost
- Easy acces to the two machines
- One loading point
- One exit conveyor belt



Usually the maintenance of a PKT 6 series machine is cheaper than a forming tube classic machine. This is possible because all the mechanical movements are stress limited, in fact the two machines work slowly than a high capacity production machine.

## Technical details

	FPK66	FPK68
Maximum bag length (empty)	820 mm	980 mm
Maximum Reel Width	1100mm	1200mm
Maximum Reel Diameter	600mm	600mm
Designed speed	Till 1800 bags/hour	Till 1500 bags/hour
Installed power (3x400+N+G)	5 Kw	5 Kw
Air consumption (8 bar)	2000 lit. min	2000 lit. min



# FPK88

This packing machine includes all the FFS recent technology.  
Its design permit a continue and fast production, 2000 bags/hour, for big bags.

All the parts are included in the principal structure of the machine, the electrical control panel too.

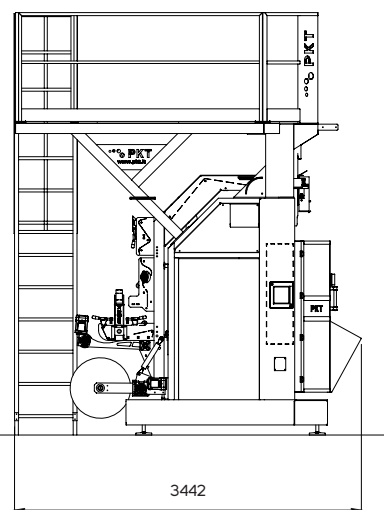
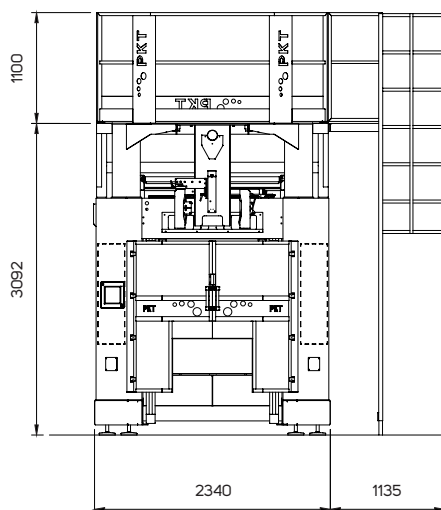
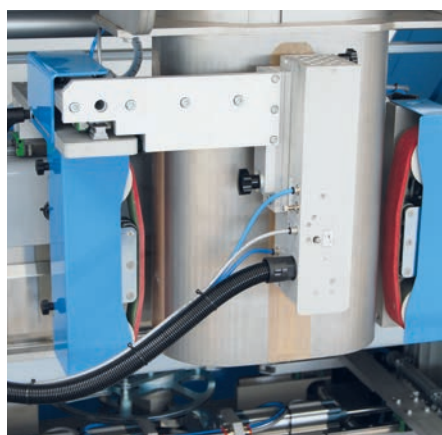
Resuming the FPK88 packing machine:

- User friendly electrical control panel
- Very flexible machine that can be combined with all dosers and weighers.
- Very easy format chang, for example in the topsoil field the machine can pack bags from 5 to 100 lt.
- Cheap maintenance and low running cost, thanks to the high quality raw material used to built it.
- It can work with a foil from 60 to 120 micron.
- High performance
- Electrical control of the cycle with automatic restoration in case of stop



## Technical details

Maximum bag length (empty)	1100 mm
Maximum Reel Width	1300mm
Maximum Reel Diameter	600mm
Designed speed	2000 bags/hour
Installed power (3x400+N+G)	20 Kw
Air consumption (8 bar)	2000 lit. min

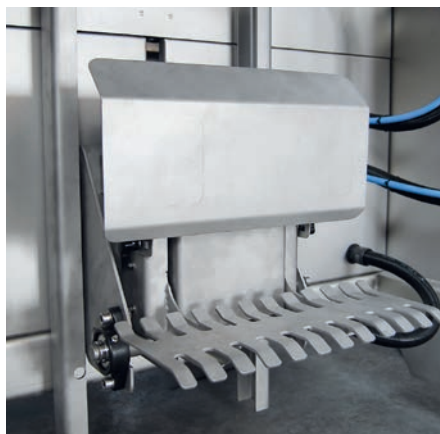


# INOX

To complete our range , we can desing and built stainless steel machine to pack corrosive products such as salt, chemical fertilizers, sodium hydroxide ecc.

It is also a machine required from the food industrial companies or from the companies that work in wet environnement (vegetables or frozen foods).

In this case we designed a specific asimmetric cone for the forming tube that permit to every product a fast fall down in the bag.



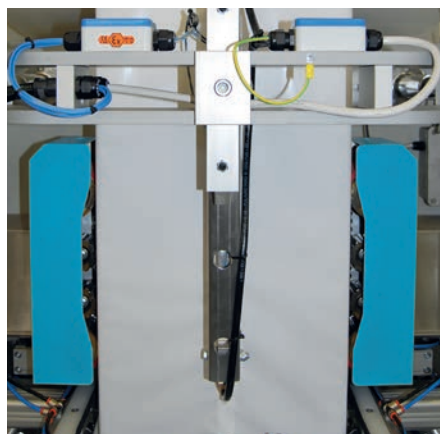
## Technical details

Maximum bag lenth (empty)	680 mm
Maximum Reel Width	1000mm
Maximum Reel Diameter	600mm
Designed speed	Till 1800 bag/hour
Installed power (3x400+N+G)	5 Kw
Air consumption (8 bar)	1200 lit. min

# ATEX

Our non-stop research let us develop an ATEX accepted system on a FFS vertical packing machine. This system can be installed in every model of FPK range.

Our technical department is available to check and assess all the specific applications. APAVE certification, the most strict french control organ of security, is another proof of our high standard quality.



## Technical details

Maximum bag length (empty)	680 mm
Maximum Reel Width	1000mm
Maximum Reel Diameter	600mm
Designed speed	Till 1800 bag/hour
Installed power (3x400+N+G)	5 Kw
Air consumption (8 bar)	1200 lit. min

# OPTIONAL EQUIPMENTS

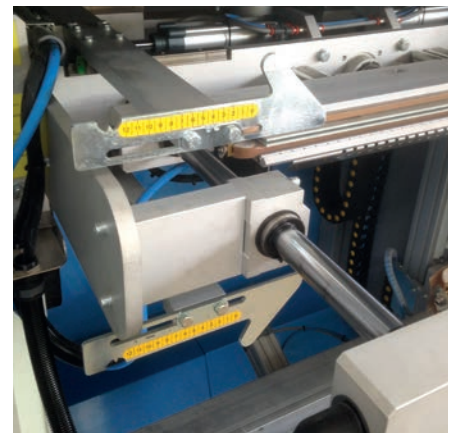
## ASPIRATION

In case of dusty products, PKT can supply an independent group of aspiration system.



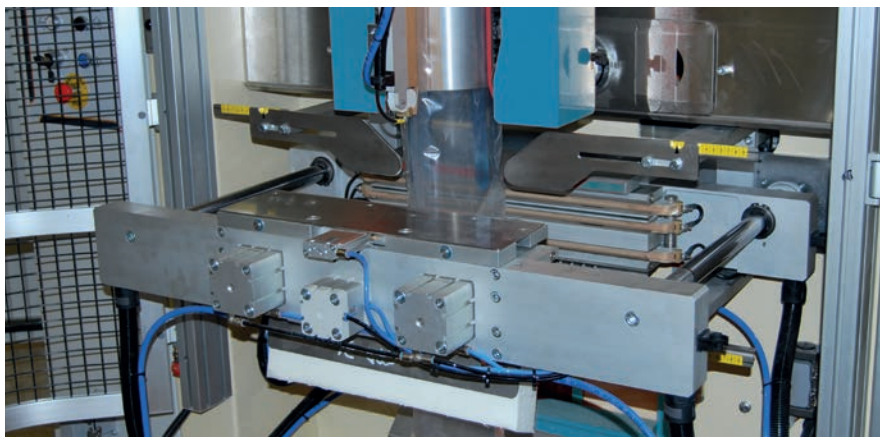
## BELLOWS

The packaging machine can be provided with a device for the blowing of the bag with handling electropneumatic or with mechanical cane.



# HANDLE

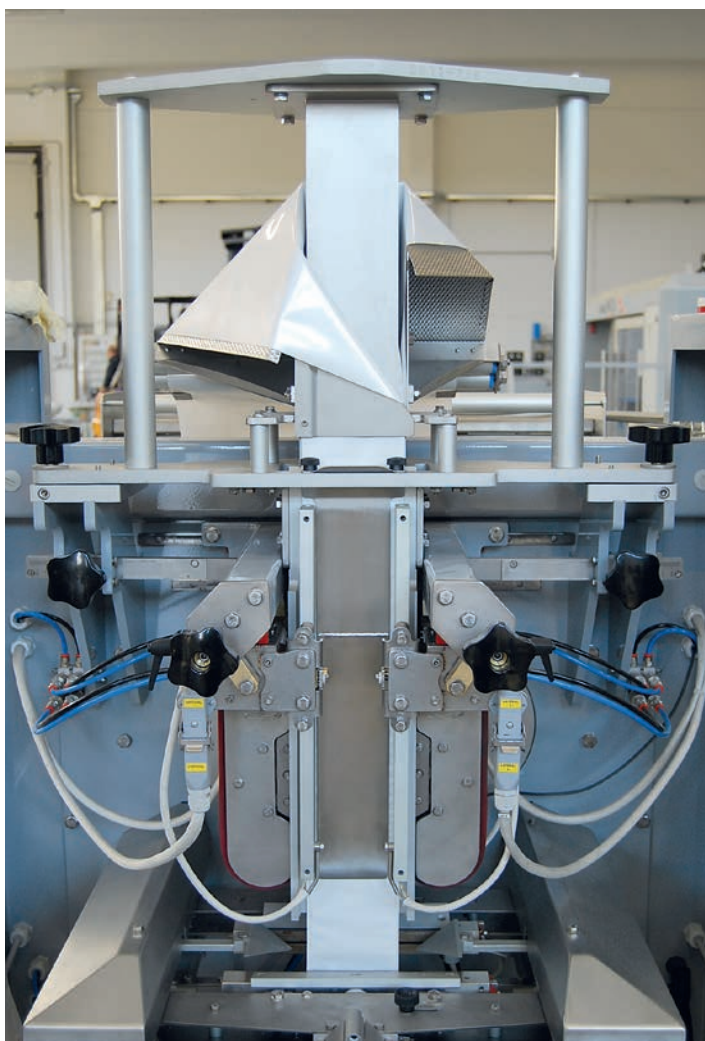
The packaging machine can be supplied with drilling handle single or double. The groups of welding may be modular or monoblock according to the needs of the customer.



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# 4 SEALINGS

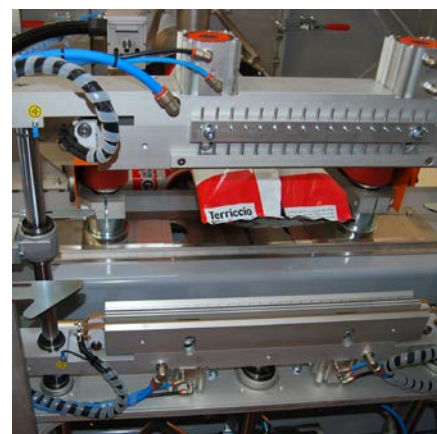
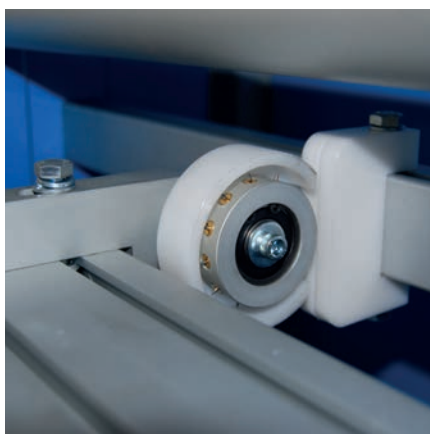
PKT can supply vertical packaging machine to make bags with square bottom and four vertical welds.



VERTICAL  
PACKING  
MACHINES

# BAG DRILLING

Devices for drilling the bag to let out the air from the inside



# OPTIONAL EQUIPMENTS

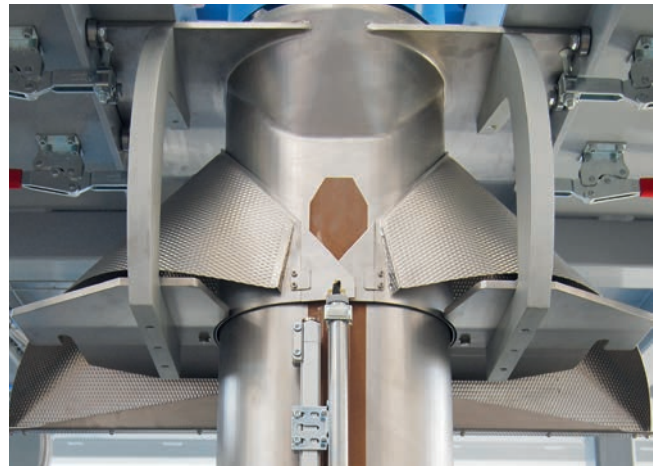
## JUNCTION WITH WELDING

Dispositivo che permette di unire la nuova  
bobina con quella esaurita



## CLOGGING

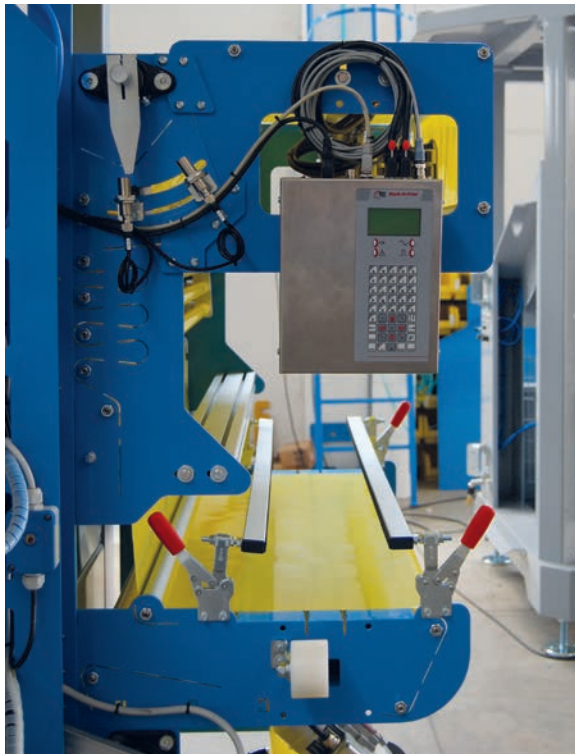
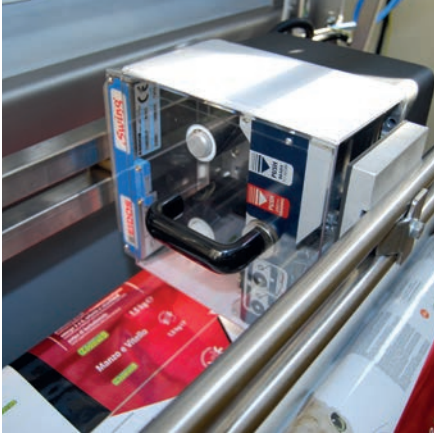
In the situation of poorly flowing products  
PKT studies the cones of the forming tube  
which introduce into the bag the product  
quickly and preventing it from clogging.



# STAMPERS

To complete the packaging we can provide the integration of different types of stampers.

From the simplest stamper to the ink-jet thermal transfer.



# LABELING

PKT can supply finished bag labeling system.





# BUILD ING TECH NOL OGY

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