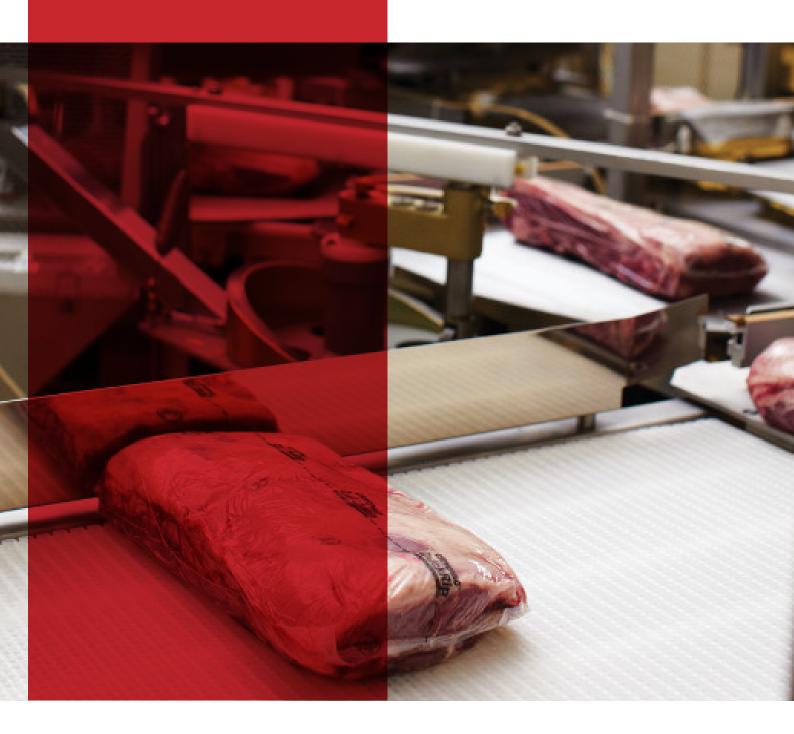
CRYOVAC® BRAND FOOD PACKAGING

EMEA Equipment Catalogue





What is it?



MANUAL LOADERS

Name

CRYOVAC® BP15



The Bag Presenter has been especially designed to improve the productivity of the manual loading of fresh meat products into Sealed Air CRYOVAC® bags.

Benefits

- · Improves ergonomics and hygiene
- The BP15 can be used as a stand-alone machine, or as an integrated machine in a PakFormance®
- Depending on the machine version, it can incorporate up to 9 bag winders in 3 vertical rows, designed to use all types and sizes of CRYOVAC® taped bags, Plug'n Pack and Bag On Rolls (BOR) format

Markets

- · Fresh meat
- Processed meat
- Compatible with Stand-alone version with LU15
- Integration into a PakFormance® BLM Bag Loading Machine.

CRYOVAC® LU04/06



The loading units LU04 and LU06 comprise a table with a static loading fork and are mainly used for fresh red meat (FRM) applications.

- · Simple and robust construction of stainless steel
- · All critical parts are treated against the corrosive environment often found in food production and packaging rooms
- · Designed with ergonomics, safety and hygiene in mind it is easy to use and clean, simple to maintain
- · Meets all relevant European legislation for safety and hygiene
- · Fresh meat
- BP15

CRYOVAC® LU15



This Loading Unit has been specially designed to assist the loading operation, reducing operator efforts and increasing loading output.

- · One operator only
- · Allows for the loading of products up to 20kg
- · Automatic product transport by means of finger conveyors equipped with high grip belts, 4 to 6, depending upon the maximum product width
- All finger conveyors and belts can be removed without tools for cleaning
- Improves ergonomics and hygiene, reduces the efforts required at loading, and improves loading speed
- · Fresh meat
- Smoked & Processed meat
- Cheese
- Stand-alone version with LU15
- Integration into a PakFormance® BLM Bag Loading Machine.

Pakformance® BLM01



The Bag Loading Machine is a defined combination of PakFormance® modules. It has been especially designed to increase the productivity of the manual bag loading of fresh meat products into CRYOVAC® bags.

- Queue Conveyor Module (QCM) designed to convey and track naked, packed bagged products
- Product Sizing Module (PSM) designed to dynamically and automatically measure the dimensions of naked products only
- Loading Unit (LU15) specially designed to assist the loading operation, reducing operator efforts and increasing loading output
- Bag Presenter (BP15) specially designed to use all types and sizes of CRYOVAC® taped bags
- Electrical Cabinet (EC01) designed to be integrated into a PakFormance® packaging line

- · Fresh meat
- Smoked & Processed meat
- Cheese



SEMIAUTOMATIC LOADERS

Name What is it? **Benefits**

CRYOVAC® BL14



Manual bag loader. It dispenses the bags by winding the bag tapes onto a spool and opens them by means of an air stream created by a blower unit.

- Machine achieves up to 30 products/min depending on operator
- Quick change over to minimize downtime during product size changes
- Short downtime between refills with Plug'n Pack
- Effective bag openability to minimize misloading
- Fast adjustment of bag width
- Minimal bag contamination ensuring superior seal integrity

- **Markets** Poultry
- Processed meat
- Cheese

 Directly in front of any vacuum machine, or in front of an infeed conveyor

Compatible with

CRYOVAC® BL19M2



Semi-automatic bag loader for inserting a wide range of industrial units into CRYOVAC® taped bags. The loading table and loading wings enable high speed operation in a flexible environment.

- Machine achieves up to 30 products/min
- · Quick change over to minimize downtime during product size changes
- Short downtime between refills with Plug'n Pack
- Effective bag openability to minimize misloading
- · Rapid adjustment of bag width
- Minimal bag contamination ensuring superior seal integrity
- Poultry
- Processed meat
- Cheese

 Directly in front of any vacuum machine, or in front of an infeed convevor

AUTOMATIC LOADERS

CRYOVAC® BL75



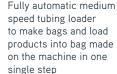
Fully automatic, highspeed bag loader for placing consumer and small industrial size foodstuffs into CRYOVAC® taped bags.

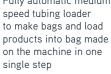
- Machine achieves up to 45 products/min
- Intelligent, self-adjustable conveyor speed and process control over full throughput and product range
- Modular tooling concept simplifies bag handling
- Reliable bag opening device for the bag presenter to ensure effective bag opening and minimize misloading
- · Hard/semihard cheese Processed

meat

- Single loading:
- BL75 1000/300 + 8600 or 8620 + STE98 + WR81
- BL75 2000/300 + 8600 or 8620 + STE98 + WR81
- BL75 3000/300 + 8600 or 8620 + STE98 + WR81
- Twin loading:
- 2 x BL75 3000/180 + 8600 or 8620 + STE98 + WR81

CRYOVAC® BL77T





- · Requires one operator for monitoring only
- Up to 20 products/min., depending on product size and shape
- Smooth controlled product loading, in-line product flow thanks to reciprocating pushers
- Modular tooling concept to simplify bag handling tool definition
- Reliable bag opening device for bag presenter, filtered air for opening
- Synchronization with upstream and downstream
- Ability to work with cheese coming directly from the brine, wet packaging

 Cheese blocks from 3kg to 20 kg

Automated vacuum machines (VS, VR ranges).

- BL77T+ AZVS + VS9X + STE98 + WR81
- BL77T+ Transfer+ VS95TS +STE98 + WR81.
- BL77T+ VR8600 or VR8620 + STE98 + WR81

CRYOVAC® BLR2



Fully automatic, high speed robotic bag loader suitable for placing a wide range of products into CRYOVAC® shrink bags.

- Machine achieves up to 23 products/min
- PakFormance® compliant
- A consistent bag positioning, preventing seal area contamination
- 2 bag presenters allowing the use of 2 different bag sizes
- Refill the bags without the need to stop the
- Loads a wide range of products up to 20 kg
- · Hard/semihard cheese
- Processed meat
- To suit the customer's requirements

PACKAGING EQUIPMENT | LOADERS



AUTOMATIC LOADERS

Name What is it? Benefits Markets Compatible with

CRYOVAC® BLR1MK2



High speed automatic robotic bag loader for inserting a wide range of fresh meat industrial units into CRYOVAC® taped bags.

- Machine achieves up to 20 products/min
- PakFormance® compliant
- · Accurate and optimized selection of bag size
- A consistent bag positioning, preventing seal area contamination
- 6 bag presenters allowing the use of 6 different bag sizes
- · Loads a wide range of products up to 15 kg

· Fresh meat

 To suit the customer's requirements

CRYOVAC® Ulma FlowVac® 35



Low reel flow wrapper based on latest HFFS machine technology is suitable for packaging consumer units of fresh pork / lamb meat as well as smoked and processed meat products. Suitable for small to medium size products

- · Increases productivity
- Less material costs & stock
- Less labour force
- Less vacuum leakages
- 5" touch screen control (industrial PC)
- The system creates a bag, adapted to different product lengths without any changeover
- The product comes out of the machine inside a CRYOVAC® barrier shrink bag, ready for the vacuum process
- · Fresh meat
- Smoked & processed meat
- Cheese
- FV35 + conveyor
 + 8620-14
- FV35 + conveyor + VS90X
- FV35 + conveyor + indexing conveyor+ VS95TS

CRYOVAC® Ulma FlowVac® 45



Low reel flow wrapper based on HFFS machine technology is suitable for packaging consumer / industrial units of fresh pork / lamb meat. Suitable for medium size products.

- Increases productivity
- Less material costs & stock
- Less labour force
- · Less vacuum leakages
- Touch screen control (Industrial PC)
- The system creates a bag, adapted to different product lengths without any changeover
- The product comes out of the machine inside a CRYOVAC® barrier shrink bag, ready for the vacuum process
- Fresh meat
- Smoked & Processed meat
- Cheese
- FV45 + conveyor + 8620-14
- FV45 + conveyor + indexing conveyor+ VS95TS

CRYOVAC® Ulma FlowVac® 55



Low reel flow wrapper based on HFFS machine technology is suitable for packaging industrial units of fresh pork / lamb meat or cheese up to the size of Euroblocks. Suitable for big size products

- Increases productivity
- · Less material costs & stock
- Less labour force
- Less vacuum leakages
- Touch screen control (Industrial PC)
- The system creates a bag, adapted to different product lengths without any changeover.
- The product comes out of the machine inside a CRYOVAC® barrier shrink bag, ready for the vacuum process
- Fresh meat
- Smoked & Processed meat
- Cheese
- FV55 + conveyor
- + 8600-14 • FV55 + conveyor
 - + indexing conveyor+ VS95TS



Compatible with

VACUUM DARFRESH® MACHINES

Name

CRYOVAC® VS26



What is it? Benefits

A semi-automatic

preformed trays which

are loaded off-line using

a multi-unit support tray

holder. It is designed to

use Cryovac Darfresh®

machine using

- Machine achieves up to 15 packs/min
- Semi-automatic Darfresh® packaging machine
- · Quick changing of product format
- Easy film positioning and unwinding
- Produces packages using the high temperature Darfresh® process
- Produces packs having long shelf life

Markets

- Fresh meat
- Fish
- Fresh seafood
- Processed meat
- Frozen products
- Poultry
- Cheese
- Ready Meals

The VS26 is a stand-alone unit and does not work in line with other machines

VACUUM SEALING MACHINES

CRYOVAC® VS2x / VS2XDC



Semi-automatic belt vacuum packaging machine for low/medium output production.
Specifically designed for small and medium size packs.

The DC version is designed for vacuum sensitive products.

- Accurate production positioning (+/- 5 mm) by electric synchronized conveyor belt transport system.
- Improved packing performance and product protection by CRYOVAC® Ultravac and vacuum control system (VCS)
- Operational costs reduction, as no water needed for sealing bar cooling thanks to the Cryovac Ultraseal® sealing system
- Final bag neck cutting system
- Depending on the machine version, switchable from hard vacuum process (vacuum non-sensitive products) to DC soft vacuum process (vacuum sensitive products)
- Hard/ semihard cheese
- Fresh meat
- Smoked & Processed
- meat
- Fish
- Poultry
- BL19M2 + VS2X (with buffer conveyor and motorized exit rollers) + STE98-600 + WR81-600

CRYOVAC® VS9x / VS9XDC



Automatic belt vacuum packaging machine designed to pack medium size industrial units. The DC version is designed for vacuum sensitive products

- Improved production performance by increased sealing bar length, allowing for more packs per cycle, cycle speed improvement
- Labour cost reduction and line integration thanks to the integrated buffer infeed conveyor'version
- Full 400 mm chamber opening actuation allows for free access around the machine
- Operational costs reduction, as no water needed for sealing bar cooling thanks to the Cryovac Ultraseal® sealing system
- Automatic power saving facility when the machine is not used for a set period
- Improved packing performance and product protection by CRYOVAC® Ultravac and vacuum control system (VCS)
- Operational costs reduction, as no water needed for sealing bar cooling thanks to the Cryovac Ultraseal® sealing system
- Depending on the machine version, switchable from hard vacuum process (vacuum non-sensitive products) to DC soft vacuum process (vacuum sensitive products)

- Fresh meat
- Hard/semihard cheese
- Fresh fish
- Processed meat
- Poultry
- VS9X
 (motorized
 outfeed
 conveyor +
 trim collector +
 external main
 vacuum pump
 630 m3/h) +
 STE98-800
 shrink tunnel +
 WR81-800

PACKAGING EQUIPMENT | VACUUM EQUIPMENT



Compatible with

Name

CRYOVAC® VS95TS Automatic belt vacuum chamber packaging machine with integrated buffer infeed conveyor is designed for large volume industrial size units of fresh red meat. processed meats and

cheese.

What is it? **Benefits**

- Machine achieves up to 3.3 cycles/min
- · Touchscreen with self-explanatory programming
- · Start and stop pump remote control
- Ultraseal® system, improved sealing performance by optimized temperature control
- · Ultravac fitted as standard
- · Automatic power saving
- BC version with integrated buffer infeed conveyor (VS95TS-BC)

Markets

- · Fresh meat Hard/semi-
- hard cheese Fresh fish
- Processed meat
- Poultry

VS95TS + exit conveyor short + exit rollers to conveyor + ST85 + WR81-800

 VS95TS + exit conveyor long + synchronizing inverter for exit conveyor + STE98-800 + WR81-800

CRYOVAC® VS96



Automatic belt vacuum packaging machine is designed to pack medium size industrial units of fresh red meat (FRM), processed meats (PM) and cheese.

- Machine achieves up to 3 cycles/min
- Touchscreen with self-explanatory programming, incorporating product specific factory settings as well as open channels to easily program your own
- Automatic product transfer
- Ultraseal® system, improved sealing performance by optimized temperature control
- Automatic power saving facility when the machine is not used for a set period
- Fresh meat
- Hard/semihard cheese
- Fresh fish
- Processed meat
- Poultry
- VS96 + exit conveyor short + exit rollers to convevor + STE98-800 + WR81-800
- VS96 + exit conveyor long + synchronizing inverter for exit conveyor + STE98-800 + WR81-800

CRYOVAC® VS96DC



Vacuum packaging machine is designed for medium/large volume industrial size units of vacuum sensitive processed meats and

- Speed: Processes up to 2 cycles/min in soft vacuum mode and up to 3 cycles/min in hard vacuum mode (both dependent on product type, vacuum configuration and belt speed)
- Flexibility: Large vacuum chamber allows the packing of a wide variety of products up to 845 mm
- Product presentation: Advanced vacuum technology and trim cut off to give optimal product appearance
- Product consistency: Ultraseal® system, improved sealing performance by optimized temperature control, improving seal quality
- User-friendly: Self-explanatory touchscreen stores product specific factory settings as well as open channels to program your own settings
- · Hygienic design: Convenient cleaning mode and fully 'washdown' capable

- Processed meat
- Cheese
- VS96DC + exit conveyor short + exit rollers to convevor + STE98-800 + WR81-800
- VS96DC + exit convevor long + synchronizing inverter for exit conveyor + STE98-800 + WR81-800

CRYOVAC® VM15



Single chamber semi-automatic vacuum packaging machine especially designed for packaging hams in CRYOVAC® shrink bags for 'Cook in the Bag' applications.

- Machine achieves up to 3.5 cycles/min
- · Semi-Automatic, medium sized vacuum packaging machine
- · Adjustable conveyor height to optimise presentation and minimise bag length required
- · Final cutting system
- Step vacuum system
- Bi-active sealing system

- Processed meat
- · Loading conveyor + VM15 + exit conveyor

PACKAGING EQUIPMENT | VACUUM EQUIPMENT



CONTINUOUS FLOW SOFT VACUUM AND SEALING SYSTEM

CRYOVAC® BRAND SVS45

Name



Automatic soft vacuum sealing packaging system with continuous product flow

What is it?

The bagged products arrive into the rotating discs which turn and align the products with the bag open side towards the vacuum system. As the product continuously moves along the machine, the open side of the bag enters vacuum slot for gas extraction in motion. Vacuum process terminates with the continues bag sealing once the air is completely removed. Before exiting the machine the bag is trimmed, aspirating offcuts to the trim removal basket. Now the product is fully protected and ready for the next treatment.

Benefits

- Smaller footprint vs. other systems with similar output
- Up to 50% less energy consumption comparing other systems with similar output
- Continuous sealing system under vacuum environment
- Easily integrates with any CRYOVAC® automatic loader thanks to swivel discs, eliminating the need for an operator.
- Three divided vacuum chambers with automatic controlled vacuum levels
- Integral control and Variable Speed Drive for vacuum pump optimizing vacuum process and energy consumption
- Finishing trimming system with aspiration trim collector
- Electrically adjustable sealing height to suit product
- Manual and Automatic infeed modes, selectable in the recipe
- Electronic speed control for optimal packaging process for selected product
- Automatic power saving facility when the machine is not used for a set period

Markets Compatible with

 Cheese primary packaging for curing in loves or blocks and retail packaging in the consumer format. All type of automatic and semiautomatic bag loaders BLR, BL77T, BL75, BL19, BL14 and typical ancillaries for shrink an water removal STE98xxx, WR81xxx

PACKAGING EQUIPMENT | VACUUM EQUIPMENT



ROTARY VACUUM CHAMBER MACHINES

CRYOVAC®

Name

8620-14



What is it? Benefits

Part of the range of

highly successful

CRYOVAC® rotary

chamber vacuum

packaging machines.

middle productivity

model.

The 8620-14 is the basic

- Five rotary chambers and 8 platens allow continuous supply of products at variable speed, up to 30 products/min
- Changing to different products, shapes and sizes is performed quickly and with no need for special tools
- The loading table has been designed for easy loading of products at high speeds
- Bag width up to 350 mm
- 8620-14DC: soft vacuum available for sensitive products

Markets

- Fresh meat
- Processed meat

• Fish

- Frozen products
- Poultry
- Cheese

8620-14

 2 x BL14 + indexing conveyor + 8620-14 + Astra + STE98-600 + WR81-600

Compatible with

 Flowvac35 (45) + indexing conveyor + 8620-14 + Astra + STE98-600 + WR81-600

8620-14DC

 BL75 + 8620-14DC + Astra + STE98-600 + WR81-600

CRYOVAC® 8600-14



Part of the range of highly successful CRYOVAC® rotary chamber vacuum packaging machines. The 8600-14 is the basic high productivity model.

- Eight rotary chambers provide a continuous supply of products at variable speed, up to 60 packages/minute
- Changing to different products, shapes and sizes is performed quickly and with no need for special tools
- The loading table has been designed for easy loading of products at high speeds
- Bag width up to 350 mm
- 8600B-14DC: soft vacuum available for sensitive products

- Fresh meat
- Fish
- Processed meat
- Frozen products
- Poultry
- Cheese

8600-14

- BL75 + 8600-14 + Astra + STE98-600 + WR81-600
- FlowVac 35 + indexing conveyor + 8600-14 + Astra + STF98-600 +

WR81-600 **8600B-14DC**

- BL75 + 8600-14DC + Astra + STE98-600 + WR81-600
- FlowVac 35 + indexing conveyor + 8600-14DC + Astra + STE98-600 + WR81-600

CRYOVAC® 8600E-18



Heavy duty vacuum chamber machine designed to include digital controls, diagnostic capabilities, and centralized lubrication system to aid in troubleshooting and increase uptime

- Six rotary chambers provides a continuous production at variable speed, up to 30 cycles per minute
- A fully automatic central lubrication system ensures all critical wear components are properly lubricated at all times
- PLC controls provide advanced monitoring and troubleshooting capabilities
- Can handle bag widths up to 18"
- Changing to different products, shapes and sizes is performed quickly and with no need for special tools
- Variable seal configurations available depending on regions
- 8600-18DC : soft vacuum available for sensitive products

- Fresh Red Meat
- Cheese
- Smoked & Processed Meats
- Poultry

8600E-18

- BLR1 + indexing conveyor + 8600E-18 + Astra + STE98-800 + WR81-800
- FlowVac 45 (55) + indexing conveyor + 8600E-18 + Astra + STE98-800 + WR81-800

8600-18DC

FlowVac55 +
 indexing conveyor
 + 8600B-18DC +
 Astra + STE98-800
 + WR81-800



AIR SHRINK TUNNELS

CRYOVAC® CJ61/62/63

Name



What is it?

Hot air shrink tunnel purpose-designed for in-line use with Cryovac BDF® qualified HFFS machines.

Benefits

- · Continuous process
- Electronic temperature control for consistent and repeatable results
- · Adjustable airflow versatile in application
- Variable speed conveyor
- Excellent shrink performance through three individual blowing stations (vaults)
- Interlocked cover and a category 1 fail safe control system combined to pro-vide a state of the art safety system

Markets

- Fresh meat
- Hard/semihard cheese
- Fresh fish
- Processed meat
- Poultry

 Cryovac BDF® qualified HFFS machines + CJ61/62/63

Compatible with

WATER SHRINK TUNNELS

CRYOVAC® STE98-600/800



Hot water shrink tunnel. Highly energy efficient Shrink tunnel, designed for use with the full range of Cryovac® shrink bags. It has a wide range of applications and is used as the final component of many Cryovac® packaging systems.

- Electronic temperature control for power saving, consistent and repeatable results
- Pre-heated water supply to minimize power consumption
- Reduced vertical water vapour duct 120mm
- Fully automatic control of water level
- Variable speed conveyor
- Produced in 2 versions, electrical and steam heating
- Good thermal insulation, to maximize operating efficiency
- PakFormance® compliant

- Fresh meat
- Hard/semihard cheese
- Fresh fish
- Processed meat
- Poultry
- All types of Cryovac® rotary machines
- All types of Cryovac® VS machines

WATER REMOVAL UNIT

CRYOVAC® WR81-600/800



The Water removal machine has been designed to cover most of the applications in the FRM, Cheese and PM markets in all countries.

- Automatic water removal machine
- Self-adjusting and product contour following upper air knives
- Two possible blower sizes available 8.5 kW and 12.5 kW
- Upper part of the machine is fully washdown
- Fully closed blower frame, to protect blower and to limit noise emission
- Variable speed conveyor

- Fresh meat
- Hard/ semi-hard cheese
- Fresh fish
- Processed meat
- Poultry
- VS95TS, STE98-600/800, WR81-600/800

PACKAGING EQUIPMENT | VERTICAL PACKAGING EQUIPMENT



Compatible with

FOOD SERVICE EQUIPMENT

Name CRYOVAC® Onpack

2045D



Vertical form-fill seal machine designed for the packing of pumpable foods and liquids. It offers great speed with flexibility when packing hot or cold products, with or

without particulates up

to 1/4" (6 mm).

What is it?

Benefits

- · Unique minimum head space package with our squeeze roller technology
- Wide range of pack sizes, from 0.3 to 5 liters
- Suitable for cold and hot fill applications up to 96°C
- Available standard features include printed film capability and a touch screen control panel with 30 channel memory which allows operators to oversee machine functions and make
- · Versatile: quick and easy film roll and product changeover
- · Optional custom end seal designs
- Fitment and feeder accessories (for attaching a plastic fitment inside the package) are available
- · Speeds up to 25 packages per minute depending on package size and product viscosity

Markets

- · Fluid or pumpable foods such as:
 - sauces
 - soups
 - oil
 - dressings
 - toppings
 - pickles in brine
- 2045D + corresponding tooling + Pump-VPP + Package discharge conveyor + Fitment System

CRYOVAC® Onpack 3002A



Vertical form-fill seal machine especially designed forthe packing of pumpable foods and liquids. It offers great speed with flexibility when packing hot or cold products, with or without particulates up to 1/4" (6mm).

- · Unique minimum head space package with our squeeze roller technology
- Wide range of pack sizes, from 16 to 0.2 to 7.5
- Suitable for cold and hot fill applications up to 96°C
- Offers a number of standard features including printed film capability and a touch screen control panel with 30 channel memory, which allows operators to oversee machine functions and make
- Quick and easy film roll and product changeover
- · Optional custom end seal designs
- Fitment Hopper, Feeder and Fitment Accessories (for attaching a plastic fitment inside the package) are available
- Variable speeds up to 50 PPM depending on package size, product viscosity and film type
- · Remote troubleshooting diagnostics: PakFormance® available

· Pumpable food products

• 3002A + corresponding tooling + pumping system + package discharge conveyor + fitment system





