

# BAGGERS

## Vertical Bagger

### TS Series



## Complete Packaging Systems

The TS series of vertical bagging machines, also known as VFFS (Vertical Form-Fill-Seal), comprises three models of automatic packing machine where, starting from a roll stock of heat-sealable film, using a forming tube, the bag is shaped, filled and hermetically sealed. This machine is specially designed to work in the food industry, being able to do it in other industries as well. Robust equipment, with a simple design but with high technology that offers high performance and seeking to reduce operational costs of the packaging process.

Different type of bags is possible out of our TS Series machines such as pillow bags, flat-bottom bags and small sachets.

The integration to any kind of filler or portioner is possible and very easy. Our expertise is to connect the TS VFFS machine to Multihead Weighers, Auger Fillers, Volumetric Cups Filler, Counting Systems, rotary pump and more.

| Machine type   | TS-4000             | TS-5000             | TS-6200             |
|--|---------------------|---------------------|---------------------|
| Mode of operation  | Intermittent        | Intermittent        | Intermittent        |
| Mechanical speed   | up to 90 cycles/min | up to 90 cycles/min | up to 90 cycles/min |
| Bag length   | 50 - 230 mm         | 60 - 300 mm         | 70-380 mm           |
| Bag Length with double vertical sealing and higher machine frame | up to 270mm         | up to 380 mm        | up to 440 mm        |
| Film Width   | 140 - 400 mm        | 180 - 500 mm        | 240 -620 mm         |
| Quick change over  | no tools required   | no tools required   | no tools required   |
| End seal jaw system  | Servomotor          | Servomotor          | Servomotor          |
| Pulling belts system   | Servomotor          | Servomotor          | Servomotor          |
| Program storage  | up to 100           | up to 100           | up to 100           |
| Film roll OD max   | 20" / 500 mm        | 20" / 500 mm        | 20" / 500 mm        |
| Film core  | 3 " / 75 mm         | 3 " / 75 mm         | 3 " / 75 mm         |



Vertical Bagger with Auger Filler  
(For powder Products)



Vertical Bagger with horizontal conveyor  
(For manual feeding)



Vertical Bagger with Volumetric Cups Filler  
and inline labeler applicator  
(For granulated Products)



Vertical Bagger with Volumetric Cups Filler  
(For granulated Products)

# BAGGERS

## Vertical Bagger

### TSS Series



**5 in 1: Unique machine able to make 3 side-seal sachets, 4 side-seal sachets, pillow bag, bags chain and stick pack in one**

#### Applicable Product

Kinds of powder ( milk powder, coffee powder), Chocolate, Seed, Salt, Nuts, Sugar, etc.

#### Technical Feature

- ◆ PLC controller with touch screen interface.
- ◆ Servo drive for film pulling system.
- ◆ Pneumatic driven horizontal end sealing.
- ◆ Intelligent temperature control, sealing more perfect.
- ◆ Round corner made by die cutting.
- ◆ Eye mark sensor for film tracking.

#### Optional Device

- Tear notch device
- round-corner device.
- Static eliminator.
- Date printing.
- Nitrogen gas flushing



| Description                 | 1 Lane machine                |                    | 2 Lane machine                         |                        |                        | 4 Lane machine                         |                        |
|-----------------------------|-------------------------------|--------------------|--|------------------------|------------------------|--|------------------------|
| Model                       | TSS100                        | TSS240             | TSS240B                                | TSS240BS               | TSS240BT               | TSS240F                                | TSS240FS               |
| Max. film Width             | 240mm                         |                    | 240mm                                  |                        |                        | 240mm                                  |                        |
| Bag Width                   | 20-60mm<br>(round corner bag) | 40-120mm(pillow)   | 20-100mm(pillow)<br>20-120mm(3/4 side) | 20-60mm                | 40-80mm                | 20-100mm(pillow)<br>20-120mm(3/4 side) | 20-60mm                |
| Bag Length                  | 50-200 mm                     | 40-150mm           | 40-200mm                               | 50-200mm               | 50-110mm               | 40-200mm                               | 50-200mm               |
| Packing Speed               | 10-25 bags/min                | 10-70bags/min      | 10-70bags/min<br>/lane                 | 10-25bags/min<br>/lane | 10-70bags/min<br>/lane | 10-70bags/min<br>/lane                 | 10-25bags/min<br>/lane |
| Power Supply                | 3KW                           | 3KW                | 4.5KW                                  |                        |                        | 9KW                                    |                        |
| Compressed Air requirements | 200L/min                      | 200L/min           | 400L/min                               |                        |                        | 800L/min                               |                        |
| Machine dimension           | L1018*W1328*H1709mm           | L1200*H910*H1235mm | L1582*W1362*H1626mm                    |                        |                        | L3084*W1362*1626mm                     |                        |

*The best solution for  
Co-packer companies*

# BAGGERS

Vertical Bagger

TSS Series (Sachets, Stick Pack, Triangle, Pillow)



## Complete Solutions:



### ONE HEAD MACHINE



With Auger Filler for powder products



With Pistón Filler or Flow Meter for liquid/paste products

### TWO HEADS MACHINE



With Volumetric Cups Filler for granulated products



With Auger Filler for powder products

### FOUR HEADS MACHINE



With Auger Filler for powder products

Each head suitable to pack different product, different size, different type of bags or the same one)

# BAGGER

## Horizontal Flow Wrapper



Main features:

1. The control power supply is single-phase 220V, 50HZ, and the total power of the equipment is less than 6KW.
2. The machine adopts functions of production counting, counting pausing, counting accumulation, automatic tracking, alarm warning, trouble shooting and error content.
3. The machine adopts servo power distribution control to automatically find the best cutting point, measure the bag length, restart after failure, recipe memory, etc.
4. The design of the horizontal seal heating circuit adopts easy disassembly and assembly with no exposure.
5. The equipment is composed of a input conveyor and a host packaging machine, which can realize stepless speed regulation within a required range.
6. The performance of the equipment complies with the relevant national safety and environmental protection standards and regulations. All exposed transmission areas have removable safety protection covers.
7. Instruction light power supply uses 24V safety voltage.

| Models                         | SF-E  | SF-E    | SF-E    | SF-E           | SF-E    | SF-E    |
|--------------------------------|---|---------|---------|----------------|---------|---------|
|                                | 450/99  | 450/120 | 450/150 | 590/120        | 590/150 | 680/180 |
| Film Width (mm)                | 450   | 450     | 450     | 590            | 590     | 660     |
| Package Size                   |   |         |         |                |         |         |
| L: length (mm)                 | 90-400  | 90-400  | 120-450 | 90-400         | 120-450 | 140-480 |
| W: width (mm)                  | 10-150  | 10-150  | 10-150  | 30-200         | 30-200  | 30-220  |
| H: height with single jaw (mm) | 5-25  | 10-30   | 30-50   | 10-30          | 30-50   | 40-70   |
| H: height with double jaw (mm) | 25-40   | 30-55   | 40-75   | 30-55          | 40-75   | 60-100  |
| Production capacity            | 30-200  | 30-180  | 30-150  | 30-150         | 30-120  | 30-100  |
| (bags/min)                     |   |         |         |                |         |         |
| Dimensions (mm)                | 5000*900*1750   |         |         | 5000*1040*1750 |         |         |
| Packaging Materials            | Composite film suitable for heat-sealing packaging, OPP/PP, PT/PE, AL/PE, etc.: |         |         |                |         |         |
| Total weight (kg)              | 1000  |         |         | 1200           |         |         |

# BAGGERS

## Rotary bagger for premade bags



### NP Series Simplex

The NP Series machines use Pre-made Pouches to fill and seal. Through its 8 stations the pouch is gently handled to open the mouth with or without zipper, ensure the bottom is also open to guarantee the product settle to the bottom and then seal with hot and cold sealers.

All parts in contact to the product and the pouche are made of hygienic Stainless Steel, all sensitive parts and components with cover or especial material to protect them against the water.

Wash-Down design is also available for wet process.

Suitable to manage stand-Up pouches with/without zipper, Stand-Up pouches with corner spout or center spout (to fill from the bottom), flat bags.

This machine can be integrated to receive product from a wide range of filling systems such as Multihead Weigher, Auger Filler, Liquid Filling Devices, counter systems, volumetric cups filler and also a combination of 2 of them



| Model                    | Simplex Type  |                    |                    |                    |
|--------------------------|---|--------------------|--------------------|--------------------|
|                          | NP6S-350  | NP8S-250           | NP8S-320           | NP10S-250          |
| Stations                 | 6   | 8                  | 8                  | 10                 |
| Pouch Width (mm)         | 160-350   | 90-250             | 140-320            | 90-250             |
| Pouch Length (mm)        | 150-350 (420)   | 150-350 (420)      | 150-350 (420)      | 150-350 (420)      |
| Speed (PPM)              | 30-40   | 30-50              | 30-50              | 30-50              |
|                          | Actual speed may vary depending on product characteristics and feeding conditions |                    |                    |                    |
| Machine size (W x L x H) | 2150 x 2200 x 2000  | 2000 x 2200 x 2000 | 2400 x 2300 x 2000 | 2400 x 2200 x 2000 |
| Weight (Kg)              | 2300  | 2200               | 2300               | 2400               |
| power                    | 220-380 V / 3ph , 50/60Hz   |                    |                    |                    |
| electricity consumption  | 3.5kw   |                    |                    |                    |
| pneumatic consumption    | 650NL/MIN   |                    |                    |                    |

### NP Series Simplex



# BAGGERS

## Rotary bagger for premade bags



### NP Series Duplex

The NP Series machines use Pre-made Pouches to fill and seal. Through its 8 stations the pouch is gently handled to open the mouth with or without zipper, ensure the bottom is also open to guarantee the product settle to the bottom and then seal with hot and cold sealers.

All parts in contact to the product and the pouche are made of hygienic Stainless Steel, all sensitive parts and components with cover or especial material to protect them against the water.

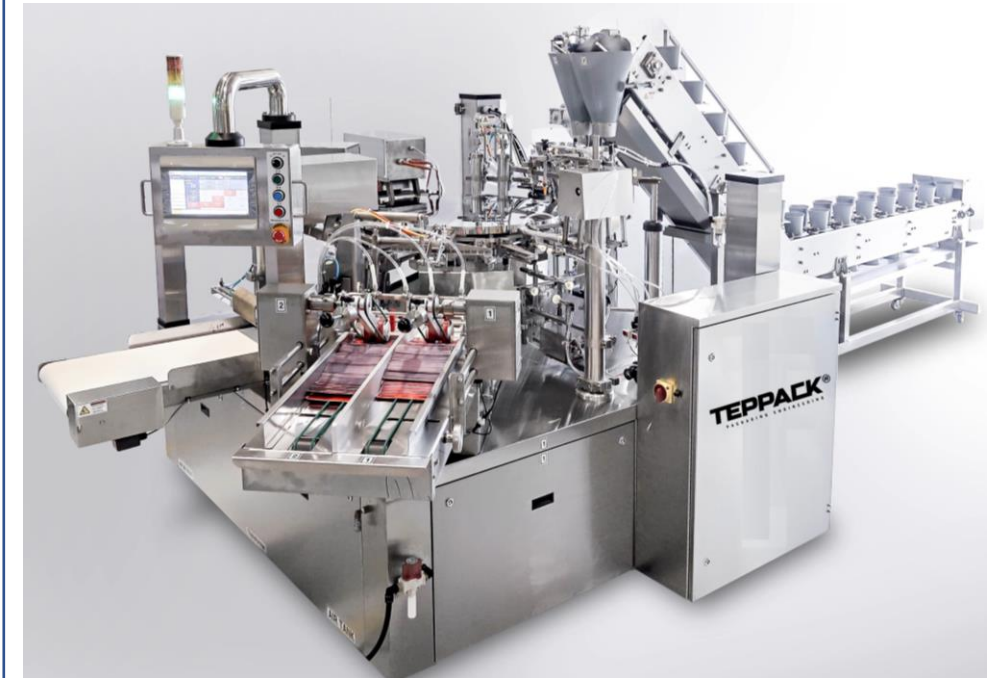
Wash-Down design is also available for wet process.

Suitable to manage stand-Up pouches with/without zipper, Stand-Up pouches with corner spout or center spout (to fill from the bottom), flat bags.

This machine can be integrated to receive product from a wide range of filling systems such as Multihead Weigher, Auger Filler, Liquid Filling Devices, counter systems, volumetric cups filler and also a combination of 2 of them

| Model                    | Duplex   |                    |                    |
|--------------------------|--|--------------------|--------------------|
|                          | NP 8S-120D   | NP8S-150D          | NP8S-200D          |
| Stations                 | 8  | 8                  | 8                  |
| Pouch Width (mm)         | 80-120   | 90-150             | 140-200            |
| Pouch Length (mm)        | 150-350  | 150-350            | 150-350            |
| Speed (PPM)              | 80-90  | 80-90              | 80-90              |
|                          | Actual speed may vary depending on product characteristics and charging conditions |                    |                    |
| Machine size (W x L x H) | 2400 x 2300 x 2000   | 2400 x 2300 x 2000 | 2550 x 2450 x 2000 |
| Weight (Kg)              | 2400   |                    |                    |
| power                    | 220-380 V / 3ph , 50/60Hz  |                    |                    |
| electricity consumption  | 5 kW   |                    |                    |
| pneumatic consumption    | 1060NL/MIN   |                    |                    |

### NP Series Duplex



# BAGGERS

## Rotary bagger for premade bags

### TRM-Series



The TRM – TRA Series machines use Pre-made Pouches to fill and seal. Through its 8 stations the pouch is gently handled to open the mouth with or without zipper, ensure the bottom is also open to guarantee the product settle to the bottom and then seal with hot and cold sealers.

All parts in contact to the product and the pouch are made of hygienic Stainless Steel, all sensitive parts and components with cover or especial material to protect them against the water.

Wash-Down design is also available for wet process.

Suitable to manage stand-Up pouches with/without zipper, Stand-Up pouches with corner spout or center spout (to fill from the bottom), flat bags.

This machine can be integrated to receive product from a wide range of filling systems such as Multihead Weigher, Auger Filler, Liquid Filling Devices, counter systems, volumetric cups filler and also a combination of 2 of them

| Model                 | TRM-200   | TRM-300           | TRA-250                | TRA-300A          |
|-----------------------|---|-------------------|------------------------|-------------------|
| Pouch Type            | stand-up pouches with or without spout, zipper bags, three-side seal bags |                   |                        |                   |
| Bag Size              | W:80-210 mm   | W:190-300 mm      | W:100-250 mm           | W:150-300 mm      |
|                       | L:100-300mm   | L: 100-300mm      | L: 150-350mm           | L: 200-450mm      |
| Max.Filling           | 2000g   | 2500g             | 2000g                  | 5000g             |
| Max. Mechanical Speed | Up to 60 bags/min   | Up to 45 bags/min | Up to 50 bags/min      | Up to 35 bags/min |
| Power                 | 4kw   | 5kw               | 4kw                    | 5kw               |
| Dimension             | 2200*1550*1410  | 2450*1750*1450    | 2450*1650*1575         | 2800*2150*1850    |
| Air consumption       | 0.6m <sup>3</sup> /min  |                   | 0.8m <sup>3</sup> /min |                   |

#### TRM Series Simplex



#### TRA Series Simplex

