



Doser & Weigher

- Different dosing & weighing technology depending on product characteristics such as gravity, vibratory, belt & screw feed systems
- High Speed & High Accuracy
- Multiple head system for even higher speed



Bagger

- Primary bagging solution for all free flowing bulk material
- Secondary bagging solution for sachets and pouches
- Pick-Fill-Seal solution for premade pouches
- Semi-automatic & Fully automatic options



Case Packer

- Primary, Secondary & Tertiary Cartoning systems
- Semi & Fully automatic
- High positioning accuracy
- Easy Changeover
- Auto Case Erector



Palletising

- Advanced palletizing technologies – Robotic, Gantry & High level
- For Bags, Pails, Trays, Tins and Cases
- Best stacking quality
- Accessible and safe
- Peripherals – Compression conveyor, Pallet dispenser & Stretch wrapper



Conveying Systems

- Custom Made Solutions
- Various types of conveying systems – roller, belt, slat, accumulation, telescopic, pencil, gravity, screw, pneumatic, vibrating, flexible, spiral, bucket etc.
- Efficient Integrated system
- Easy Cleaning and Inspection
- Smooth conveying



EPSPM

- Does your project require you to engage with multiple vendors either for machines or for engineering services?
- Does adhoc onsite installation create safety and quality issues?
- Does it take a long time to commission the equipment?
- EPSPM that is our turnkey service to get away from these problems.
- Single point of contact for Engineering, Supply, Procurement & Management



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## PALLETIZER

Palletizer receives shippable packages and stacks them in pallets for storage and transportation. The basic quality elements while palletizing are that the packages are not damaged and are neatly stacked.

At Warade, we have developed the most advanced palletizing technology to meet your requirements with the best quality and at high speed.

When stacking pattern is fixed and no change over is required, our gantry type palletizing technology is the most economical option.

We have developed automatic system for dispensing empty pallets to Palletizer. This ensures that the Palletizer runs continuously. It holds the stack of empty pallets and then automatically separated and fed to Palletizer as required.

### ► Features

- Advanced palletizing technology - Gantry, Low level and High level
- High Speed – Upto 1800 units/hr
- High pallet capacity - Upto 2000 kg pallet weight
- Easy Integration with upstream machines
- Best stacking quality
- User friendly interface
- Accessible and Safe
- High stacking level- Upto 12
- Low and easy maintenance
- Optimum and sturdy design
- For various sizes and shapes of bags



### ■ Gantry Palletizer

A gripper that picks up one bag at a time and places it at a point on the pallet pre-assigned



### ■ Low Level

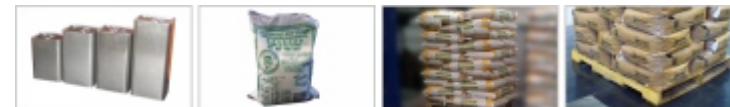
Designed for stacking stable bags with a well defined shape at medium and high speeds. Designed with stripper plates suitable for bag layer preparation, squaring and compression perfect for a high quality stable pallet.



### ■ High Level

When high speed and high stacking level is required, our ground breaking high level palletizing technology is best suited. Stacking levels as high as 12 can be achieved.

Model	WPLL	WPG	WPHL
Output	Up to 1200 bags/hr	Up to 900 bags/hr	Up to 1800 bags/hr
Level	Up to 10	Up to 6	Up to 12
Payload	90-200 kg inc. gripper	90-200 kg inc. gripper	90-200 kg inc. gripper
Pallet weight	Up to 2000Kg	Up to 2000Kg	Up to 2000Kg
Pallet dimension	max 1500 x 1200 mm	max.1500 x 1200 mm	max.1500 x 1200 mm



**WARADE®**  
**PackTech**  
We Believe In Creation

**Bagging**  
**Palletizing**



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## BAGGER



GRAVIMETRIC FEEDER



SCREW FEEDER



BELT FEEDER

### Dozing & Weighing Systems

Models	Gravimetric Feeder	Screw Feeder	Belt Feeder	Vibratory Feeder
Heads	Up to 1 to 3	Up to 1 to 3	Up to 1 to 6	Up to 1 to 3
Wt. Range	Up to 6 to 50Kg	Up to 6 to 50Kg	Up to 1.5 to 50Kg	Up to 6 to 50Kg
Weighing Speed	Up to 16 to 55 Weighing/min	Up to 12 to 30 Weighing/min	Up to 30 to 100 Weighing/min	Up to 12 to 20 Weighing/min
Application	Sugar, Rice, Fertilizer, Plastic pallets, Grain, Granules, Pet food etc.,	Bran, Flour, Milk powder, Chemicals, Detergents, Powders etc.,	Chips, Flakes, Seeds, Animal feed, Cereals, Free flowing powder, Detergents etc.,	Granules, Pallets, Aggregates, Rocks, Ceramic grits, Grains, Sand etc.,

### Jambo Bagging

#### Features

- Productivity optimization with one single operator
- Simple and compact
- Low economic investment
- Automatic pallets in-feed and automatic evacuation of the full pallets
- Big bag's bottom vibration



System	Net weighing
Weighing range	100 to 1000 kg
Accuracy	Up to +/- 0, 0.1% at 2 sigma*

\* Depending on feeder type, bag type, product characteristics, bag size, speed, etc.

### Semi Automatic Bagging

The Manual Bagging is a state-of-the-art electronic net weighing system designed to operate in a wide range of applications. In order to accommodate the various products, the system comes with four possibilities of feeding devices (gravity, belt, screw, and vibratory feeders).

Task – Bag feeding (Manual), Product filling, Bag removing (Manual)

Speed	Up to 500 bags/hr*
Filling weight	5 – 50 Kg
Accuracy	± 20 grams @ 2 Sigma*
Bag material	PP woven, HDPE, PE, Paper
Bag size	270x1050 mm
Air consumption	Up to 85 LPM
Power requirement	Up to 3kW

\* Depending on product, bag weight and accuracy

#### Application

Food, Pet food, Feed, Seeds, Chemicals, Fertilizers salt, Aggregates, Granules etc.



#### Features

- High production speed
- Simple construction and sturdy design for long-term reliability
- User-friendly weight controller
- Accuracy as high as ± 20grams @ 2 sigma\*

### Automatic Bagging

Fully automatic high-performance bagging system. Designed for virtually any kind of open-mouth bags with or without handles. The machine can operate with very fine powders with product de aerator/ compactor.

Integrated bag closure devices available including sewing and heat sealing. Optional integrated equipment - print and apply, label applicators, ink-jet printers, encoders, metal detectors, check weighing systems.

Speed	Up to 1000 bags/hr*
Filling weight	5 – 50 Kg
Accuracy	± 20 grams @ 2 Sigma*
Bag material	PP woven, HDPE, PE, Paper
Bag size	270 x 1050 mm
Air consumption	Up to 185 LPM
Power requirement	Up to 12kW

\* Depending on feeder type, bag type, product characteristics, bag size, speed, etc.

#### Application

Food, Pet food, Feed, Seeds, Chemicals, Fertilizers salt, Aggregates, Granules etc.



### Pouch In Bag Machine

Fast, Efficient & Cost Effective: Offers a simple yet fast, efficient and cost effective solution to do secondary bagging of finished products.

#### Features

- Optimum design
- Online Recipe selection for different Products / SKU's
- User friendly operator panel
- Easy Changeover
- Setup changeover time- 10min
- Multi SKU Recipe Selection
- Uninterrupted Sack Loading



We have various solutions in secondary Bagging system:

- Random packing pouch in bag
- Neat stacking pouch in bag
- Pouch Range: 50gm ~ 10Kg

