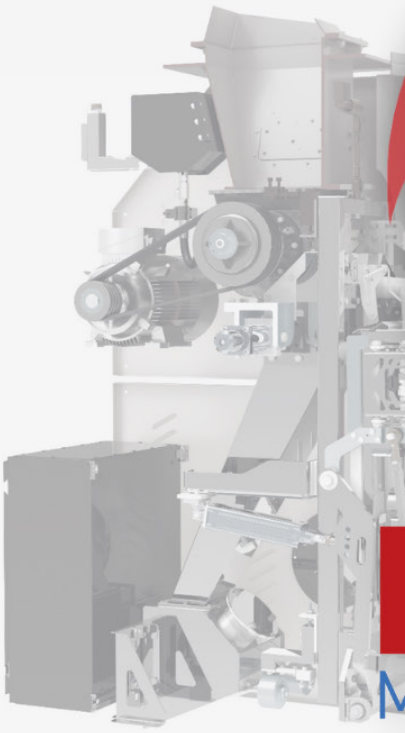
PACKING AND PACKAGING SYSTEM

BY PARGET MAKINA







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Packing and Packaging System

Linear Packing Machine

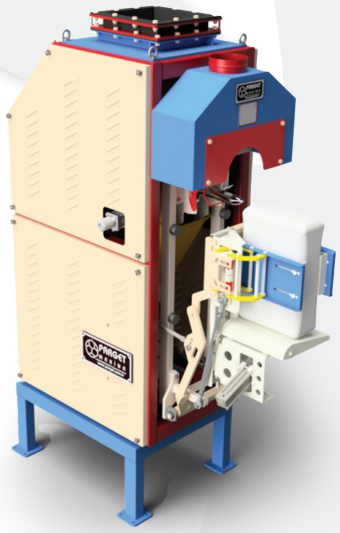
Linear Packing Machine is used for precise weighing and automatic packaging of granular, granular or crystallized powder products with free flowing feature. In addition to its linear weighing feature, it is generally suitable for weighing materials with stable granular structure.
Linear packing machines, which offer the possibility of filling valve bags made of Kraft or PP (Polypropylene) material in the range of 20-50 kg at the desired capacity depending on customer demand, provide the ability to weigh products in certain micron ranges with a tolerance level of ± 2%, depending on the process conditions.

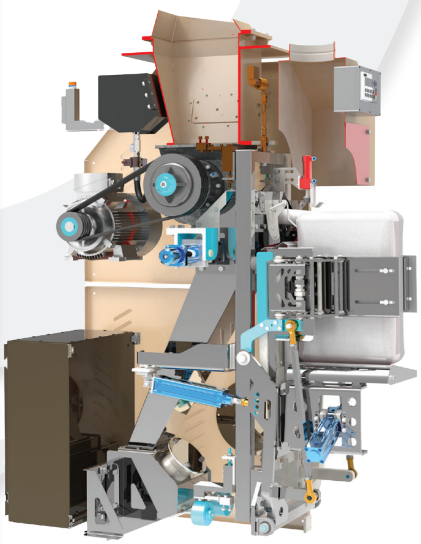
Advantages

- **Capability of working with different products, bag types and bag sizes.**
- **Easy calibration and integration to the automation system.**
- **Minimum damaged bags.**
- **Automatic and precise measurement.**
- **Filling group that can be easily changed in case of wear.**
- **Wear-resistant rotor lining option.**
- **By the help of compressed air applied to the filling rotor; fast and sensitive filling by preventing material jamming in the filling nozzle.**

FEATURES	
Machine Type	Capacity (t/hour)
PM_LPM1	5-8







Packing and Packaging System

Big Bag Filling Machine

Big-Bag filling machine realizes the filling of powder and granular materials to Big-Bags by means of PLC control.
Pallet magazine, film sheet applicator and rotate table are using as auxiliary equipment while the filling process as optional.
Depends on the customer request, different type of properties can add to the machine like automatic big bag hanging mechanisim and semi- mobile system etc.
customer demand, provide the ability to weigh products in certain micron ranges with a tolerance level of ± 2%, depending on the process conditions.

Capacity	max. 20 bags/ hour *
Bag dimensions	max. 150x150x150 cm min. 85x85x85 cm
Accuracy	±%1
Weighing system	Loadcell
Filling time	approx. 3-5 min (grapple-filling-second big bag grapple duration) **

- The limit for system's working capacity and time is operator's speed
- The capacity and filling time can show a change according to operator speed and material features.

Technical Features:	
Max. Capacity	9-11 bags/hour*
Dimension	2250 x 3935 x 1940 mm
Bag dimension	max. 150x150x150 cm / min. 85x85x85 cm
Filling rate	500-2000 kg
Accuracy	±%1
Loadcell	3 pcs / (located on the big bag filling machine)
Weigh module	Siwarex- Siemens
Panel	Simatic-Siemens
Filling time	approx. 3-5 min (grapple-filling-second big bag grapple duration) **

Big-bag filling machine will be manufactured with hydraulic system, level and position sensors mounted onto, single opening, automatic filling, bag blowing and big-bag release system.

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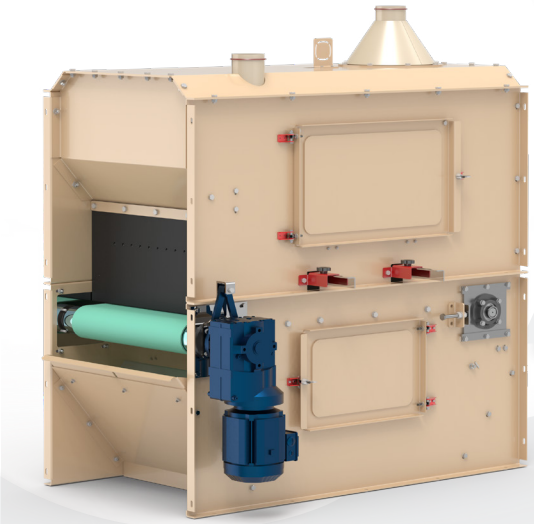


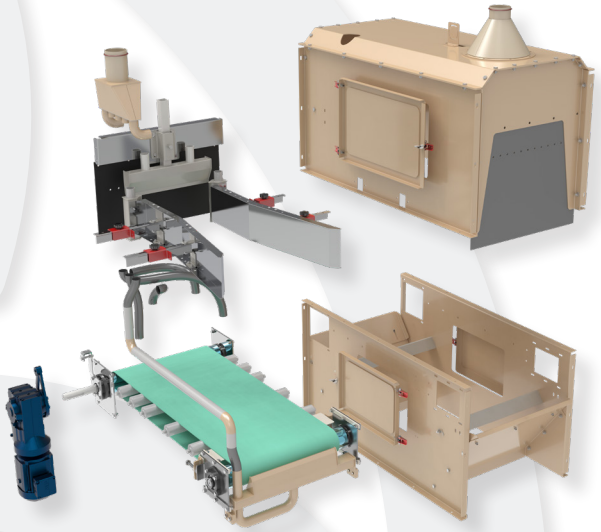
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Bag Cleaning Conveyor

Description: it is used for the cleaning of filled and dusty bags coming from the packing machine. The Cleaning is made by feeding air of high presure from the blower to the machine, this latter is then spread and fed to the dusty bag from all four sides. Bag flattering system is included.

FEATURES			
Machine Type	Motor Power (Kw)	Capacity	Dimension (w*l*h)
PM-BC600	2.2	***	1200*1720*1900









Packing and Packaging System

Truck Loading Conveyor

A truck loading conveyor, also known as a loading dock conveyor or truck loading ramp, is a device used to efficiently load and unload goods onto or from trucks or trailers. The working principle of a truck loading conveyor typically involves a conveyor belt system mounted on a ramp or platform that can be adjusted to various heights to match the truck bed's height. Here's how it generally works:

Adjustable Height

The conveyor ramp can be adjusted to match the height of the truck bed. This is crucial to ensure smooth and efficient transfer of goods without the need for manual lifting or excessive force.

Conveyor Belt

The conveyor belt runs along the length of the ramp and is powered by an electric motor or another power source. It moves continuously, allowing for a steady flow of goods onto or off of the truck.

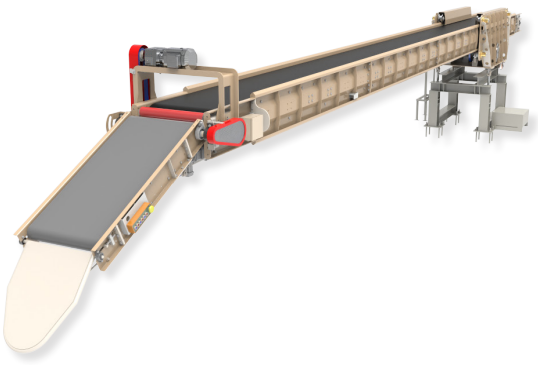
Loading/Unloading

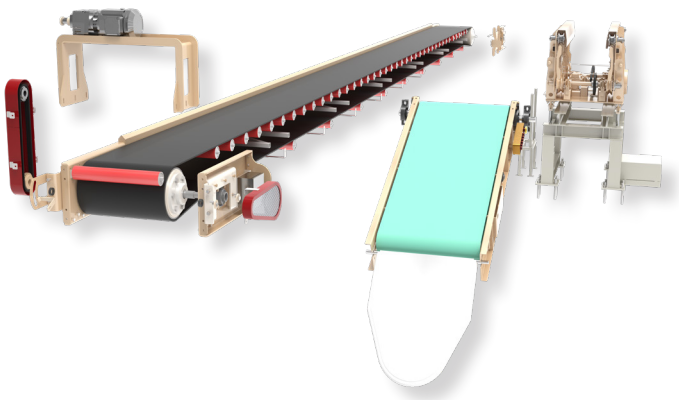
Workers can load goods onto the conveyor belt from a warehouse or storage area. As the belt moves, the goods are conveyed towards the truck bed. Similarly, when unloading a truck, goods are placed onto the conveyor belt from the truck bed and moved towards the warehouse or storage area.

Efficiency

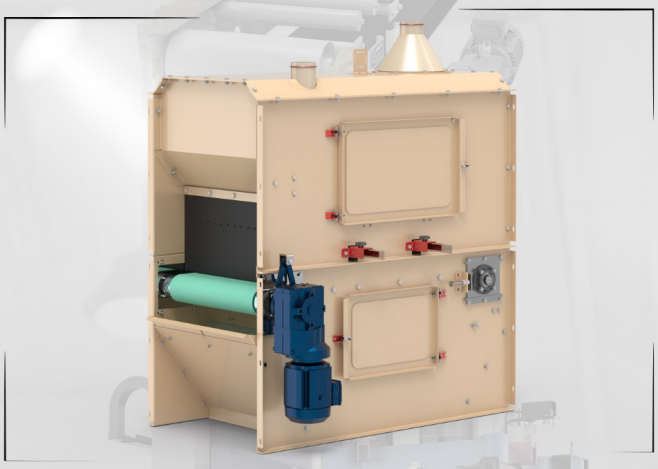
Truck loading conveyors significantly improve efficiency compared to manual loading and unloading processes. They eliminate the need for manual lifting, reducing the risk of injuries and fatigue among workers. Additionally, they allow for faster loading and unloading times, minimizing truck turnaround times and increasing overall productivity.

Machine Type	Capacity	Technical Dimension
PM_TLB650	30 t/h	650*16000 mm



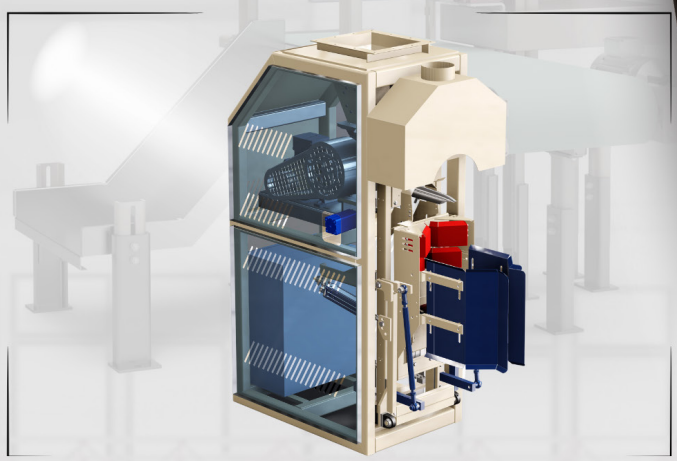


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