



**LORANDI**  
INDIA

Material Conveying Automation and  
**STORAGE SILOS**

 Italian  
Design @   
Indian Price

**Lorandi Silos India**

"Lorandi Silos India (P) Ltd" is a Joint-Venture between Lorandi Silos, Italy and Penguin Engineers, India, which firmly believes in innovation and customer delight. The knowledge base of the 72 year old Italian company with the technical expertise of Indian partner is a right match to provide state-of-the-art solution in the field of material handling and storage.



Storage silos



Recycling



Blending silos



Conveying



Separation



Handling

**BLENDING SILOS**

**BOLTED SILOS**

**WELDED SILOS**

**SEPARATION (CAPS & WRAPPERS)**







## STORAGE SILOS

We innovate our machines and your systems for the current trend and ever changing requirements for our customers. Our storage silos are designed and fabricated in monolithic single piece or sections and finally assembled on site. Our silos are designed according to the correct silo size and geometry, along with the analysis of seismic activity. We make Silos in SS, GI and Aluminium.

### Optionals for SILOS



## Welded Silos



## Bolted Silos



## Textile (Fabric) Silos

- Storing raw materials - powders, granules - chemical, pharmaceutical, plastics & rubber, food, confectionary, bakeries etc.
- Suitable for indoor installations, sheltered from weather
- Equipped with support frames, anti-dust, breathable fabric (to avoid condensation) and filters
- Suitable for food stuff, fabric totally made of polyester thread



## Buffer Silos

### Buffer Silos for extra light plastic

- Flat bottom silos are perfectly designed for very low bulk density
- Hopper and small silo with extract or for plastic film and light milled plastics



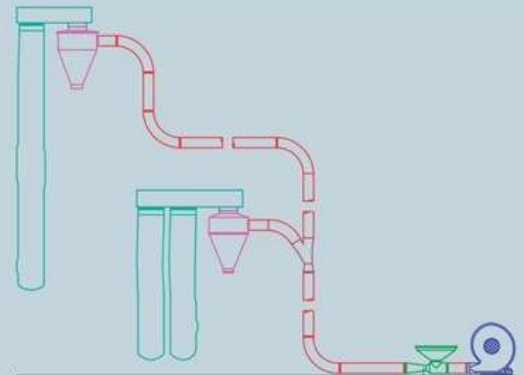


## CONVEYING

An essential component in handling system is safe passage and reliable product conveying from one place to other place. Our systems are designed with robust, state-of-the-art technology with low-maintenance to transfer material. Energy efficient, robust, low maintenance conveying systems, designed to transport materials around your plant safely and efficiently at an adjustable rate that meets the current operational requirements.



## SILOS LOADING SYSTEMS



## ACCESSORIES

**Cyclones**



Helical super separating cyclones from Ø350 to Ø1800

**Rotary Valves**



Made in cast iron or in stainless steel



Branches for ventilation and pneumatic conveyors  
Ø 100 - 160 - 200 - 210 - 270



LH Piping system



Extension for hoppers

**Blowers**



**Injectors**



**Butterfly valve**



**Pipes**



**Hoppers**





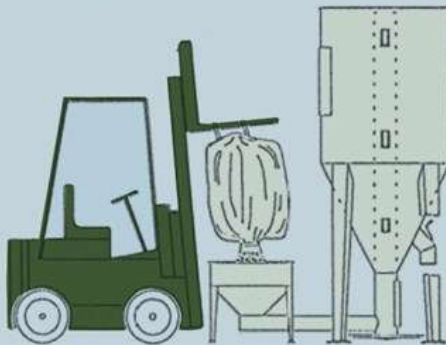
## MIXING

Our mixing silos results in good homogenisation of goods such as pellets, flakes, granules. It also helps to drop the temperature of flakes out of the extruder. Various dimensions and capacities with optionals are available for each industry.



### Mixers - Heating / Cooling

(Applications to remove humidity or to refresh plastic materials)



### Optionals for MIXERS



### Mixers for plastic materials



Electric control box with weighing scales

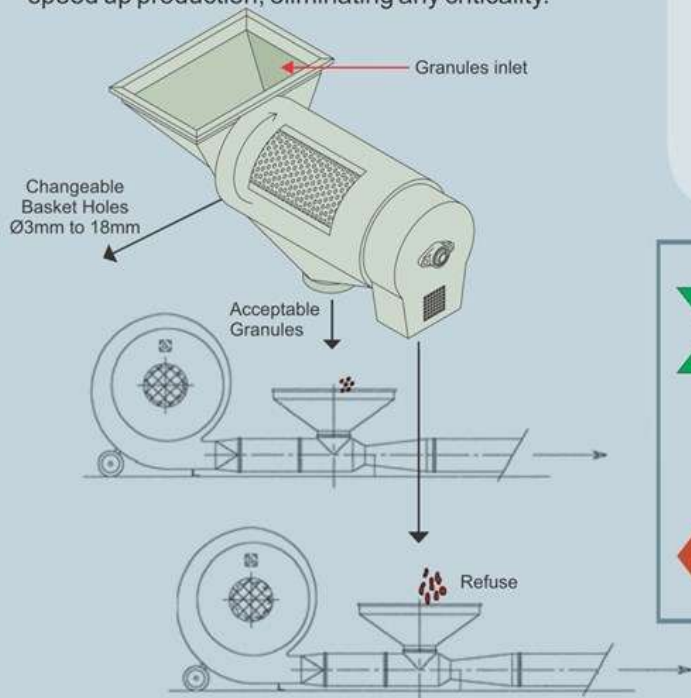






## RECYCLING

From LORANDI's experience and research, we offer a line of products and services entirely dedicated to **STORAGE, TREATMENT AND TRANSPORT** for the plastics recycling industry. With LORANDI you can create your own customized plant for the storage, separation, mixing, handling and complete management of recycled plastic materials of different types and weights. Experience, know-how and latest-generation technology at your service, to optimize and speed up production, eliminating any criticality.



Separation based on size



### PET Recycling - Separation of caps & wrappers

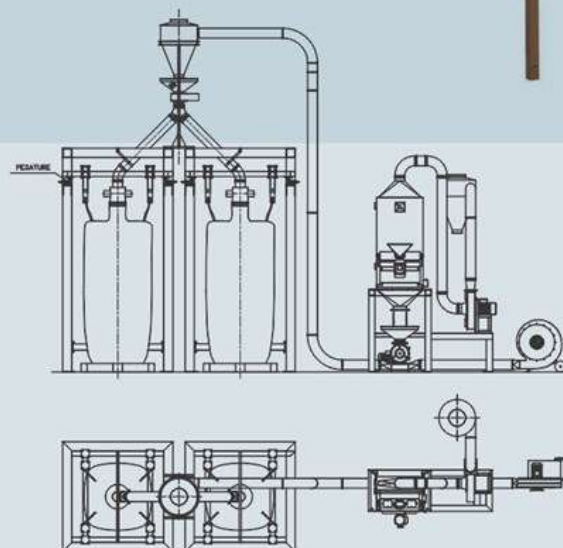
Separating System "T-Cleaner" for Granules and Flakes



Separation based on bulk density



Pre-cleaner cleaning system for light parts suction



Application examples





## HANDLING

Material handling is an art. We solve the pragmatic problems caused by the movement, storage in any handling area. We protect and control the products throughout the processes of cleaning, preparation, distribution etc.

**Screw Conveyors**



**Continuous Weighted System**



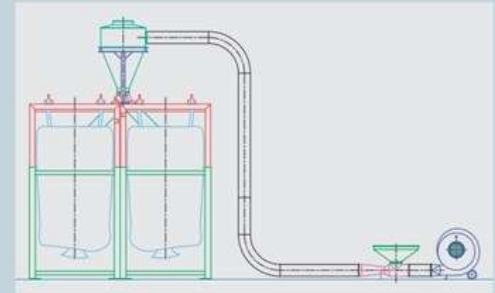
**Compacting system with pistons**



**Structure for sacks**



**Big-bags discharge station for flakes, PET, PE, Film, PS scraps complete with discharge ampoule**



The Factory Building was inaugurated by Consul General of Italy, India



The Machine Shop was inaugurated by Mr. Stefano Lorandi, Lorandi Silos S.r.l. - Italy



[www.lorandisilos.in](http://www.lorandisilos.in)

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