



Committed to Quality & Performance

pneuCONVEYOR systems & engineers

Manufacturers of Vacuum Powder Transfer System, Pneumatic Powder Conveying system (Dense/Dilute phase), Tubular Chain Drag Conveyor, Screw Conveyor (Flexible/Fixed), Sifting, Milling, Drying, Mixing & Blending Equipments, Big bag loading/unloading, Silo Storage Systems & Weighing Batching systems



EXPERIENCE IN MOTION

We ARE A REPUTED COMPANY SPECIALISTS IN PLANT AND PROCESS AUTOMATION SYSTEMS FOR ALL TYPES OF INGREDIENTS HANDLING, PROCESSING OF INTEGRATED AND AUTOMATED POWDER PROCESSING SYSTEM AS PER GMP NORMS FOR PHARMA/ BULK DRUG/ FOOD /CHEMICALS/ CEMENT/ PAINT / PLASTIC/ FERTILIZERS AND OTHER INDUSTRIES.



For complete customized solutions in

- # PRODUCT TRANSFER / CONVEYING / CHARGING
- # MILLING & SIFTING
- # BAG/DRUM WEIGH FILLING
- # DUST CONTROL
- # PRODUCT STORAGE
- # MIXING / BLENDED
- # WEIGHING & BATCHING SYSTEM

Applications :

- # PHARMACEUTICALS
- # FOOD
- # CEMENT
- # FERTILIZERS
- # BULK DRUG
- # CHEMICAL
- # PAINT
- # DYES

SPECIALIST IN AUTOMATION PLANT # PROCESS AUTOMATION SYSTEM # SPECIAL PURPOSE MACHINES

POWDER TRANSFER SYSTEM

VACUUMISED POWDER CONVEYING / TRANSFER SYSTEM

Easy dust free Conveying with inline process



Application & Process : pneuCONVEYOR is a manufacturer of custom pneumatic conveying systems and support equipment for conveying, vacuum conveying, batching, and weighing materials.

The Vacuum transfer system is unique dry material transfer system for dust free and avoid human touch. The Vacuum transfer system is used in Pharmaceutical, Food, Bulk Drug, Agro chemical, Sugar Industries and other organic & Inorganic chemicals. The system is used for inline milling, sifting, blending, loading and unloading.

The principle of Vacuum transfer system has been proven to be a better way to move many types of material and a giant step over manual handling. The technology exists for moving virtually any material that can be pulled through a hose or tube. The system is consisting of Blower, Vacuum receiver system with filter, cyclone filter and Pipe.

The Vacuum transfer system designed specifically for the direct charge loading of blenders, mixers, sifter, milling, reactors or any vessel capable of withstanding a vacuum, A Powder loader is provided for machines & vessel not capable or facilitate to create vacuum. The vacuum system can be provided mobile type with lifting provision to move one room to another room for loading and unloading any machine.



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Preferred applications: For reliable feeding of free-flowing powders and granular bulk material to processing machines in the Pharmaceutical, Bulk drug, food, plastic and chemical industry. The material can be picked up from e.g. sacks, drums, container or silos. The type pC- receivers are used as individual receivers, with a separate blower each, in discontinuous vacuum, low-velocity vacuum and dense-phase conveying systems. They are mounted on the batch hopper of the processing machines where they serve for separating of the bulk materials.

Functional principle: When switching the blower on, a vacuum is generated causing the product to be transferred when switching the blower on, a vacuum is generated causing the product to be transferred via the conveying line from the pickup point to the receiver. When the conveying phase has ended, the outlet valve opens and the product is discharged. A new conveying cycle starts when the level control in the outlet requests more product. The filter is purged by automatic compressed air pulses after each conveying phase, and the air escapes via the vent filter. The sequence of the operating cycles is controlled by a freely programmable or an electronic control system. The actual operating state is displayed at the electronic control.

Special advantages:

- Stainless steel construction
- Sturdy and perfected design
- Generously dimensioned filters ensure dust-free continuous operation
- Suitable for continuous operation due to compressed air purging of the filter
- No production stoppage due to a device indicating that the product supply at the feeding point is running low
- High functional reliability through electronic control and monitoring
- Can be completely dismantled for cleaning without tools
- Simple filter inspection via a swivelling device at the cover.

Typical advantages of conveying system:

- **SUITABILITY** : Emptying or filling process equipment (reactors, dryers, blenders / mixers / centrifuges, etc.).
- **DUST FREE** : Material can be drawn directly from drums, Bags, storage containers, process.vessels- no messy dumping or manhandling. Charging of powder directly into closed vessels, including those under vacuum or pressure, preventing the formation of dust and the introduction of oxygen. Charging also possible in the presence of solvents.
- System can be completely sealed, any leakage in system will be inward- no noxious or hazardous materials discharged into work area.
- **VERSATILE** : Conveying lines can be routed between floors, through partitions, aroundmachinery- can easily be re-routed to accommodate process modifications. Adaptable to many process operations- easily integrated & automated.
- **SANITARY**:Materials of construction & finishes selected for the products being handled. Easily disassembled modular design facilities cleaning.
- **ECONOMICAL** : Lower service / Lower cleaning costs / Minimum maintenance / few moving parts.

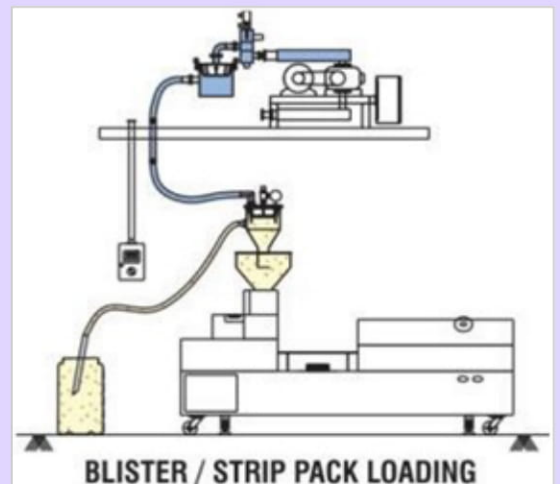
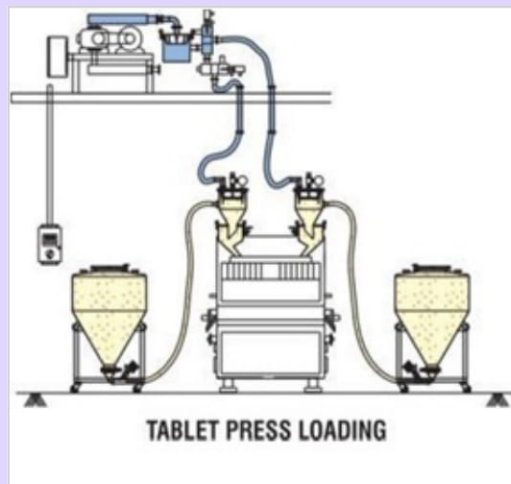
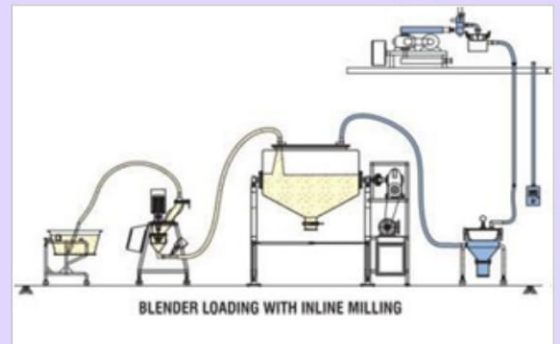
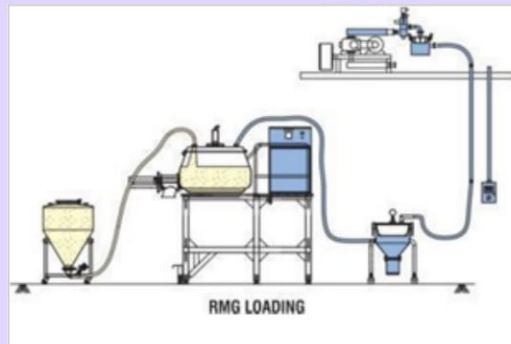
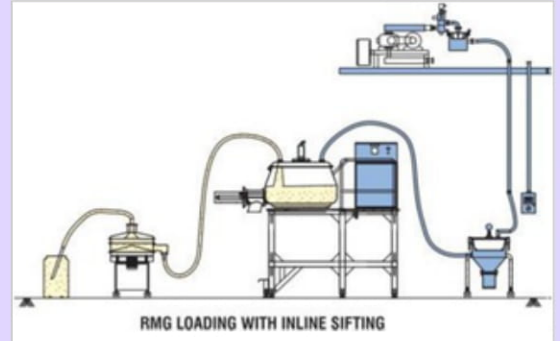
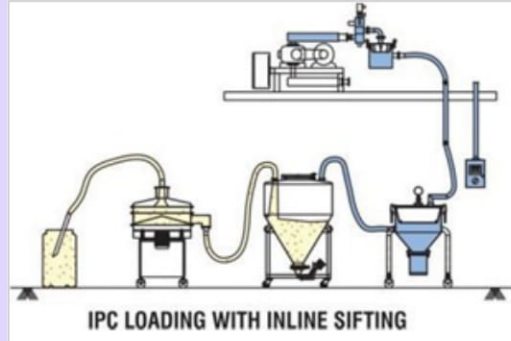
SPECIFICATIONS SHEET : POWDER CONVEYING SYSTEM

MODEL	LOADING CAP KGS	MAT. LINE DIA	VACUUM LIND DIA	QTY. OF FILTERS	DIMENSIONS L X W X H
pC-PCS15	150	¾"	¾"	3	550 X 230 X 230
pC-PCS20	200	1"	1"	4	675 X 250 X 250
pC-PCS30	300	1½"	1½"	6	780 X 250 X 250
pC-PCS60	600	2"	2"	9	760 X 350 X 350
pC-PCS120	1200	2"	2"	12	950 X 400 X 400
pC-PCS200	2000	2½"	2½"	12	1100 X 450 X 450
pC-PCS300	3000	2½"	2½"	16	1350 X 450 X 450
pC-PCS400	4000	2½"	2½"	16	1450 X 500 X 500
pC-PCS-500	5000	3"	3"	24	1650 X 550 X 550



Salient Features:-

- Used to transfer material having bulk density upto 1.0gm/cc.
- Smooth surfaces, electro polished or mirror polished.
- Dust-free and gentle material handling / High-standard filters for pharma applications.
- Safe for operation with ignitable materials and for the use inside explosion zones.
- Minimum of residual material inside the conveyor.
- Easy disassembling & cleaning of the conveyors.
- Manual or automatic suction processes / Lightweight and mobile systems available.
- All contact parts SS304/ SS316/ SS316L & all gasket /seal-Silicone.
- Capacity available: Up to 5000 Kg/ hr.



PHARMACEUTICAL APPLICATION: Inline Sifting/ RMG Loading/ Inline Milling/ Blender Charging/ IPC Loading/ Tablet Press Loading/ Auto Coater Loading/ Unloading/ Blister/ Strip Pack Loading/ Tablet-Capsule Transferring/ Auto. Drum/ Bag Filling & weighing system / Other application can be designed on demand.

FOOD APPLICATION : Flour/ Granulated Sugar/ Dextrose/ Coffee/ Tea/ Milk Powder/ Peanuts/ Salt & Many more.

CHEMICAL APPLICATION : Talcum Powder/ Aerosol/ Sodium Sulphate/ Gelatin & many more

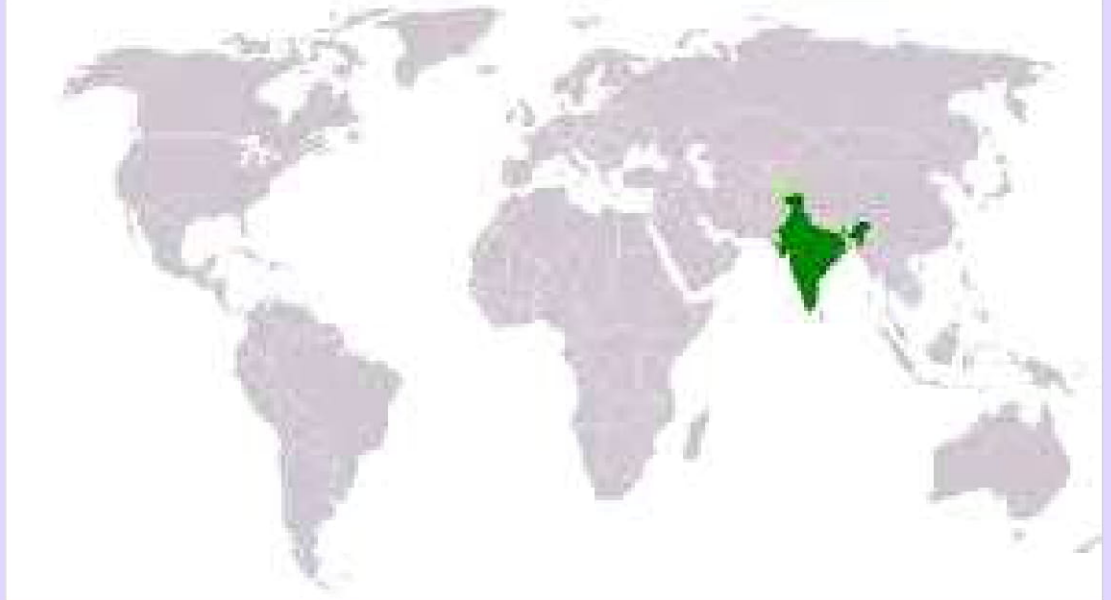
PLASTIC APPLICATION : P E Granules/ P V C Powder/ PVC Blend/ L.D.P.E./ Calcium



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