



interesting engineering for life..™



MATERIAL CONVEYING

Prism Pharma Machinery®

An ISO 9001 - 2015 Certified Company



Greetings,

Prism Pharma Machinery founded in 2003 and has been manufacturing process equipments for process of Powder, Liquid & Semi Liquid in application in Pharmaceuticals, Biotech, Nutraceuticals, Cosmetics, Foods, Dairy, Bakery, Confectionery, Agro Chemical, Chemicals, Herbals, Paints, Ceramics &, Catalysts for production, pilot & lab scale batch size.

Prism Pharma Machinery is having wide range of equipments for processing for drying, granulating, mixing, milling, blending, tableting, coating, pelletizing, homogenizing, material conveying & cleaning as well as process integration and process automation service. Prism focuses on specialized mechanical engineering, especially process engineering and automation engineering by applies innovative technology approach and quality standard. We obtained the ISO 9001:2015 certificate and CE certificate for our products.

We sincerely would like express our thanks to our customers for supporting and affection. Prism has been and will be working more closely with all its precious customers and partner companies, keeping deep in mind the fact that sharing efforts makes sharing fruits.

Thanks you.....

Prism Pharma Machinery



IBC - Bin Loader

Easy Dust Free Loading And Unloading & Inline Process of Material

Application & Process :

An IPC bin loader is used for transferring and discharging the material dust free and without human touch in pharmaceutical industries for load powder in to HSMG bowl, hopper of tablet press, container of blender, load tablet in to hopper of blister pack & coating machine and as well as used for online sifting and milling.

An IPC bin loader consists of a main frame, bin fixing arm, hydraulic lifting device and pivot base. This main frame move 360 degree on axis and bin fixing arm move upward and downward in the frame by hydraulic cylinder and power pack system. The moveable container/bin bringing placed beneath the fixing arm, operate the hydraulic drive system which lifts arm with the container and it raises the container till it gets stops exactly in a position, slew the column to swivel the bin over inlet of the next processing equipment, then it could be unload by opening of butterfly on the whatever next processing equipment.

Salient Features :

- Design is cGMP with all contact parts AISI 316 & non contact parts AISI 304.
- Suitable for inline process with milling & sifter granulator.
- Suitable for load material on high shear mixer, blender, tablet press, auto coater, blister pack and inline milling & sifting process.
- Eliminates tedious and unhygienic manual handling of products.
- Pillar structure with hydraulically lifting assembly for up down arm for quick and easy handling.
- Pillar is grouted bottom & top with bearing to easy rotate 360°.
- Bin is lock in arm for lift for loading .
- Hydraulic power pack can be mounted over the service floor so the column of the loader acts as pendent and through pivot shaft.
- If the power goes off, the loader remains where it was.
- Limit switches are provided to stop the hydraulic drive when the stroke is completed.

Technical Specifications

Model	PBL-400	PBL-600	PBL -800	PBL-1000	PBL-1200
Suit Bin Capacity -Liter	250-400	400-600	600-800	800-1000	1000-1200
Electric Power- Kw	1.5	2.25	2.25	3	3
Discharge Height	2500	2500	2500	2500	2500
Product Container Height	1250	1300	1340	1375	1525
Column Height	3800	3800	3600	3600	3800
Total Length	1940	1940	2140	2140	2140

Bin - Intermediate Process Container



Storage and Dust Free Transfer Process

Application :

The IPC Bin loader is used for handling, storing, transferring and mixing material dust-free and without human touch in pharmaceuticals & foods & chemicals for loads powder into mixer, tablet press & Load tablet to blister pack & coating machine and online sifting and milling process with loader.

Bin (IPC) is designed and manufactured to be handled through their own trolley and offer the advantage to leave the trolley at floor when the container is raised up to be positioned onto process machines. Bin (IPC) is a container made from S.S. 316 sheets having square / cylindrical body and taper bottom. A lid is provided on top with lock. and lid is big so that complete washing of IPC is easy. The bin is seated on a detachable stand or fixed leg made of S.S. 304 pipe stand, having four legs and each leg is fitted with heavy duty castor wheel of special design with ball bearing and S.S. bracket (2 nos. fixed and 2 nos swiveling). Bottom discharge is provided with butterfly valve.

Salient Features :

- Design is cGMP with products contact parts AISI 316.
- Capacity available from 30 Kg to 1200 Kg.
- Universal bin handling and stacking system for easy handling and stacking of bins.
- Charging through the top opening lid.
- Discharging through bottom discharge butterfly valve.
- Without any nooks and corners for easy cleaning with food grade silicon gaskets.
- Mirror finish from inside and adequate hopper angle for easy and complete discharge of products.
- Available with fix legs with wheel as well as separate on detachable trolley.
- Option for various type of IPC Bin as per customer requirement.



Easy Moveable Loading, Unloading & Conveying process

Application :

The moveable hoist is use for transfer the material dust free and without human touch in pharmaceuticals industries for load powder in to RMG bowl, load tablet in to hopper of tablet press and blister pack & coating machine and online sifting and milling as well as transfer the container one room to another room.

Pillar structure is supported on moveable trolley for easy mobility. main frame with pillar have arm assembly with motorize lifting & lowering. Which lifts or lowers the arm with carriage is connected. lifting & lowering positing is interlock for safety with limit switch at the lower and upper ends which determines the endpoints for the lift and that can be set by the user as per their requirements. On the front side there is rubber sandwiched belt which is PVC coated and it covers the front side completely as the carriage moves upward or downward side. Thus entire hoist is covered from all sides allowing no tablet dust to enter inside. The hoist is moves one place to other place by manually transfer.

Salient Features :

- Design is cGMP with MOC AISI 304.
- Capacity available 30 Kg to 150 Kg.
- Fully automatic system, with motorized lifting arrangement for quick and easy handling & conveying.
- Limit switches are provided to stop the drive when the stroke is completed.
- The hoist working height is suitable for 6.5 feet for door.
- Manually moveable hoist suitable for load material to tablet press, blisterpack autocoater & mixer machine.
- Space saving due to mobility and single machine can be use for all machines.



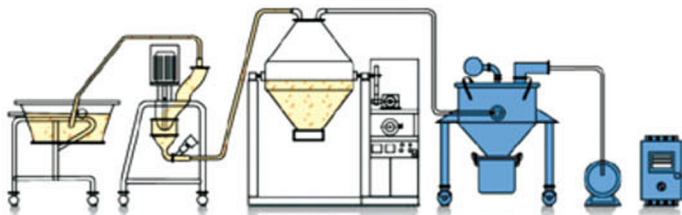


Easy Dust Free Conveying with Inline Process

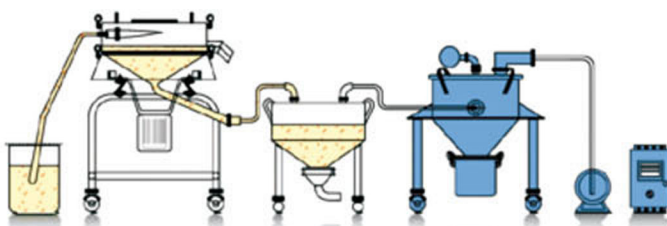
Application & Process :

The vacuum transfer system is unique dry material transfer system for dust free and avoid to human touch. The vacuum transfer system is used in pharmaceuticals, foods, agro chemicals, Sugar industries and chemicals. The system is use full for inline milling, sifting, blending & loading and unloading.

The principle of vacuum transfer 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 conveying systems designed specifically for the direct charge loading of blenders, mixers, sifter, milling, reactors or any vessel capable of withstanding a vacuum. The vacuum system can be provided mobile type with lifting provision to move one room to another room for loading and loading any machine.



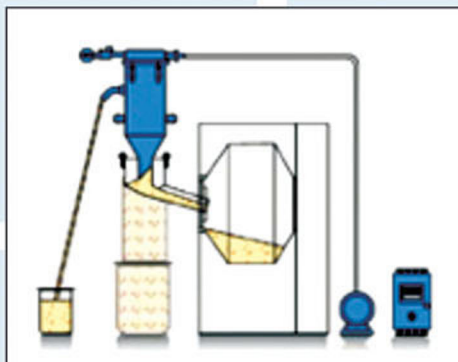
Blender charging with inline milling



IPC loading with inline sifting

Salient Features :

- Design is cGMP with product contact parts AISI 316.
- Available capacity 250 Kg to 3000 Kg.
- Can be used for transfer of products having bulk densities up to 1.0gm/cc.
- Transfer can be completely dust free & automatic to avoid the manual handling of the material.
- Fully auto system, with timing controls and automatic air blow back system for filter cleaning.
- Vacuum system and cyclone filter can be installed in out of side production area.
- Total discharge no retention.
- No tool required for opening & cleaning.
- Avoids product waste, loss and contamination.
- Easy to clean and wash of contact parts.
- Can be attach no. of machine for Inline milling, sifting with blender & mixer machine.
- Suitable for load powder on tablet press, tablet in to auto coater, powder & sugar charging in to vessel, bin and unload FBD bowl.



Loading of autocoater



Loading of tablet press

Prism's Global Presence

Algeria	Congo	Iraq	Nepal	South Africa	UK
Australia	Ecuador	Italy	Nether land	Spain	Ukraine
Afghanistan	Egypt	Jordan	New Zealand	Sri Lanka	USA
Bangladesh	El-Slavador	Kenya	Northern Ireland	Sweden	Vietnam
Belarus	Ethiopia	Lebanon	Nigeria	Syria	Yemen
Belgium	Finland	Macedonia	Oman	Thailand	Zambia
Bulgaria	Ghana	Malawi	Peru	Tunisia	
Canada	Hongkong	Malaysia	Russia	Turkey	
Chile	Indonesia	Mexico	Saudi Arabia	UAE	
Colombia	Iran	Myanmar	Singapore	Uganda	



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