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Field Of Expertise

Turn key Project Management

Design & Manufacturing of :

- ▶ *Assembly Line Automation*
- ▶ *Pneumatic Conveying*
- ▶ *Big Bag Loading/Unloading system*
- ▶ *Powder Transfer System(Lean and dense Phase)*
- ▶ *Bag Filling Machines*
- ▶ *Ribbon Blender & Plough Shear Mixer*
- ▶ *Screw Conveyors*



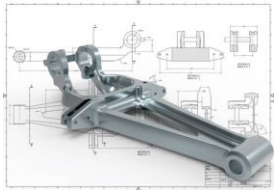
Certification's



- ISO 9001 2015 Certified



Our Strength



Design



Manufacturing



Assembly



Inspection



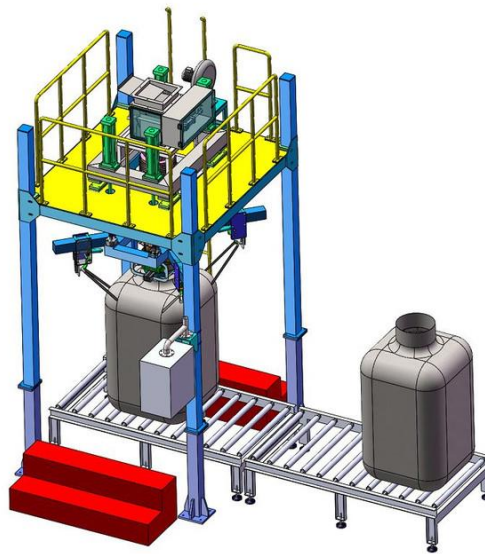
Final Assy.



Design Center

Design Capability:

- ▶ *Catia V5R22*
- ▶ *Solid Work*
- ▶ *Autocad 2019*
- ▶ *Solid Edge*



Manufacturing



Machines

- Vmc(Cosmos Make)
- Universal milling m/c
- Dro Drilling
- Heavy duty Lathe Machine
- SS & Ms Welding Machine



Manpower

- 4 Machine operator
- 2 engineer
- 2 helper
- 3 welder
- 2 finisher



Infrastructure & Manpower

Manpower

- 4 Machine Operator
- 2 Engineer
- 2 Helper
- 3 Welder
- 2 Finisher
- 4 Assembly Fitter
- 1 Purchase
- 1 Accountant
- 2 Design
- 1 Electrical Engineer

Present Area



Area(In sq feet)

- 4000 Sq Feet
- 250 Sq Feet-office Area
- 1000 Sq Feet- Fabrication
- 3000 Sq Feet-assembly Area



Big Bag Unloading System

Types of Big Bag Unloading system:

1. Bulk bag unloader –Forklift load
2. Bulk bag unloader- Electric Hoist and trolleyload

Available in various material:

- Carbon steel
- 304 stainless steel
- 316 stainless steel

Application:

- Carbon steel
- Hopper charging
- Pneumatic conveying
- Weighing
- Bag Repacking from jumbo in to 25/50 kg bag



Lifting Tackle



Filter Bag for
Dust Collector



Jumbo Bag of
various sizes



Powder Transfer System



Chemical Powder



Food Powder



Grains



Pharmaceutical powder

Model Standard Specifications.

PTS Hopper With Instruments

PTS Model	PTS M-150	PTS M-200	PTS M-250	PTS M-300	PTS M-350	PTS M-400
Conveying Capacity(Ltr/hr.)	UP TO 900	UP TO 1700	UP TO 2000	UP TO 2600	UP TO 4000	UP TO 6800
Air consumption for filter cleaning (Nm3/hr.) at 5-6 kg/cm2(g)	4-8	3-12	4-12	4-12	4-14	4-15
Conveying Pipe Size	40 NB	50 NB	50 NB	65 NB	80 NB	80 NB
Discharge Size	150 NB	200 NB	250 NB	300 NB	300 NB	300 NB
Noise level	<75 dB	<78 dB	<78 dB	<78 dB	<80 dB	<80 dB

Note: Actual values may vary based on application requirement. Capacity depends on BD, Moisture content, vacuum pressure, air flow etc....



Jumbo Bag Filling Machine

Parameters/Specifications:

Specifications	Value
Model No.	BBFS-0500/BBFS-1000/BBFS-1500
Operation Mode	a) Semi-Automatic Gross Weight Filling System b) Semi-Automatic Net Weight Filling System
Bag Material	Woven/ Poly Propylene Bulk bag
Filling Capacity	4-12 bag / hr
Weighing Range	500-1500 kg
Filling accuracy	+/- 0.01%
Air Supply	6 bar filter regulator air supply for Pneumatic instruments
Material of Construction	Carbon Steel/ SS304/SS316



Commonly use in Below Industries:

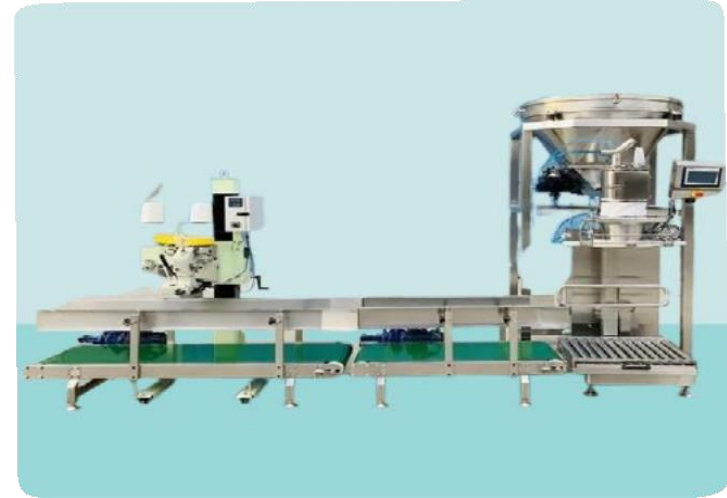
- Food Industry
- Pharmaceutical Industry
- Paint Industry
- Chemical Industry
- Cement industry



Bag Filling Machine

Technical Parameters/Specifications:

Specifications	Value
Model No.	SBFS-020/SBFS-025/SBFS-050/SBFS-100
Operation Mode	a) Semi-Automatic Gross Weight Filling System b) Semi-Automatic Net Weight Filling System
Bag Material	Woven/ Poly Propylene bag/Paper Bag(also Available with drum with linear filling machine)
Filling Capacity	40-120 bag / hr.
Weighing Range	20-100 kg
Filling accuracy	+/- 0.01%
Air Supply	6 bar filter regulator air supply for Pneumatic instruments
Material of Construction	Carbon Steel/ SS304/SS316



Skygrip Advantages:

- Precise filling via separate coarse and fine feeder also available with double control pneumatic feed valve.
- Advance control system & Weighing System.
- Bag clamping available with pneumatic as well as inflatable type.
- Dust free loading with dust collection system.
- For settling material vibratory platform are also available.
- Integrated design like dust collection, magnetic separator, metal detector with rejection, belt conveyor and roller conveyor are also available.



Mixing Equipment's



Plough Shear Mixer Blade

Applications of Plough Shear Mixer

- Quick and homogeneous mixing of paste, rubber and heavy plastic masses.
- Bulk Powder in dry/dry solid, dry waste paste and wet wet mass.
- Blending
- Solid –solid mixing
- Solid-liquid mixing



Ribbon Blender

Applications of ribbon blender

- Pharmaceutical powders
- Chemical compound
- Pigments & dyes
- Pesticides & fertilizers
- Food powder and additives
- Cosmetics powders
- Herbal & Ayurvedic



Modular Plastic Belt Conveyor's

TYPES

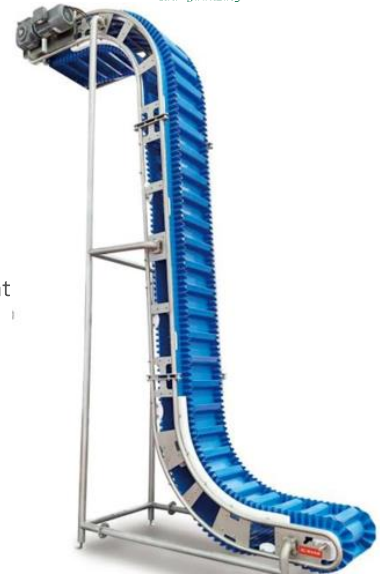
- *Straight modular Belt Conveyor*
- *Incline z type Modular Belt Conveyor*
- *Radius Belt Conveyor*
- *Slat and Finger Chain Conveyor*
- *Crate Chain Conveyor*
- *Assembly Line Conveyors*



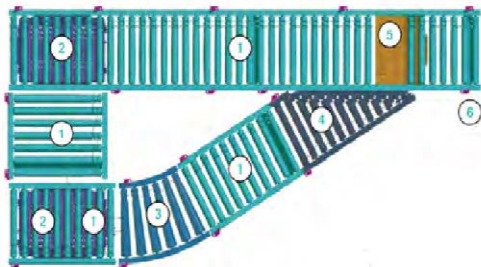
Pu & Pvc Belt Conveyor's

We offer tailored solutions to suit our customers' needs:

- Warehousing & Logistics Transport Conveyors
- Factory & Production Line Conveyor
- Packing Lines
- Conveyor for Food & Beverages
- Conveyors built for integration within other equipment
- Assembly Line Conveyor
- Conveyor for Waste Material Handling



Roller Conveyor's



Position	Designation
1	Roller conveyor with drive and zone function
2	Lateral transport 90° with drive
3	Curve 30° with drive and zone function
4	Inward and outward transfer 30° with drive
5	Deflection system
6	Sensor with opposite reflector



Slat Conveyor's



Technical specifications:

Depending upon the conveying application, different lengths, widths, height, controls and accessories are available to meet the needs. Slats can be made from mild steel, stainless steel or plastic. In some cases the product sits loosely on top of the slats, and in other cases the product is mounted to one or more fixtures. Some typical specifications are shown below, with many more combinations available :

- 12" - 108" between frame widths(i.e the width of the conveyor)
- speeds ranging from 10 ft per minute(FPM) up to 60FPM max speed
- Fixed or variable speed control
- Adjustable legs
- Continuous or indexing movement from station to station



Valued Client's



Our Team



Thank You....!

