Make In India

SIGMA

Perfect

Packing

Solutions

WE WORK ON TURNKEY PROJECT

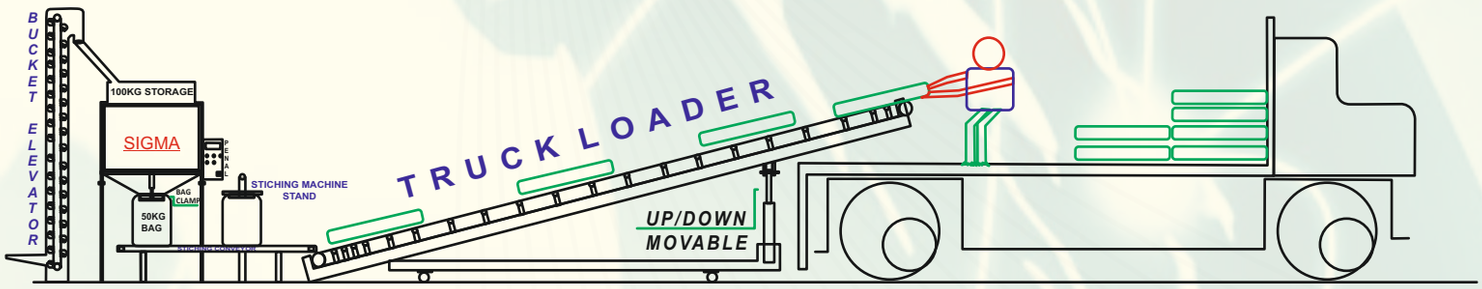
Mfg. of :-

Bag Weighing, Filling, Packing,

Material Handling, Conveying, Automation System

COMPANY PROFILE

Established in the year 1996, we "Sigma" have been engaged in manufacturing and supplying a premium quality range of Jumbo Bag Filling Machine, Bag Packing System, Batching System, Liquid Filling System, Online Check Weigher, Crane Wireless Remote Control and Conveyor. The vast range encompasses Gravity Feed Bagging Machine, Gross Type Bagging Machine and Valve Type Bagging Machine, Silage Baler Machine, Silage Packing Machine, Silage Pressing with Vaccum Pole Machine. Along with this, we also offer Truck Loading System, Material Feeding Belt Conveyor, all type of Conveyor System and many more. All these products are offered to clients in varied customized models & specifications to meet the exact application demands. We also offer excellent after sales services for these industrial machines. Our range is known for high performance, easy installation, hassle free operation, low maintenance and longer functional life. Due to these attributes, these are widely used in Fertilizer Industries, Agro Products, beverages, chemical and Mine Industries & pharmaceutical industry applications. Our superior range of products are in Chemical Industries, Fertilizer, All type Granule and Powder Packing, Cement, Gaur Gum, Sortex Mill, Sugar Industries, Mine Industries, Seeds, Silica Sand, Crush Sand, River Sand, Dry Mortar Construction Material Packaging, Agriculture and Dairy Industries.



A Person Who Never Made A Mistake, Never Tried Anything New.....

Jumbo Bag Filling Machine

JBFM 01

JBFM 02

Applications :

Ideal for Packing of : Guar gum Powder, Chemical powder, Plastic, Granule, Fly ash, Minerals Powder, Fertilizer, Cattle Feed, Soya Greet, Soya Doc, etc.

Specifications :

- **System** - Jumbo Bag Filling Machine
- **Scope of Supply** - Conveyor / Crane / Mechanical trolley / Storage Silo / Belt conveyor / Screw Conveyor / Rotary Valve
- **Capacity** - 500 kg to 1200 kg , up to 2000 kg.
- **Output** - 6-8 / 18-20 bags per hour powder / granule
- **Dimension** - L-1500 mm X w - 1500mm X H- 2900 mm approx (Customize)
- **Filling Accuracy** - +/- 0.2%
- **Filling Mechanism** - Electro - Pneumatic Operate Gate, Rotary Valve , Screw Conveyor
- **Filling System** - Load cell based, Weigh metric coarse and Fine with auto in light correction
- **Filling Mode** - Coarse and fine filling systems apply
- **Air Supply** - 8-10 Bar.

Powder Bag Filling Machine

Powder Bag Filling with Hot Sealing

PBFM 03

Powder Bag Filling with Stitching conveyor

PBFM 04

Applications :

Ideal for Packing of : Guar gum Powder, Chemical powder, Granule, Fly ash , Minerals Powder, Fertilizer, Rice Flour, Wheat Flour, Bessan Atta, Soya Flour, PVC Res in Powder, Dry Mortar, Tile Adhesive, Mortar, Cements sand Material etc.

Specifications :

- **System** - Powder Bag Filling Machine
- **Model** - Dual weighing with dual discharge
- **Processes** - Motorized Screw Feeder with Pneumatic Controlled Gate & Motorized Stirrer Systems apply
- **Capacity** - 25 kg. to 50 kg.
- **System** - Load Cell Based, Weight metric Filling
- **Mode** - Coarse & Fine with Auto In light Correction
- **Digitizer** - Advanced 8 bit Micro Controller with Dual Weighing
- **Power Supply** - 1 Phase / 230 V/ 3 HP
- **Dimension** - L- 1800 mm X W – 1200 mm X H – 2700 mm

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Bag Weighing & Filling System

25kg. to 50kg. Granule Filling Machine

Granules Filling

BWFS 05

5kg. to 10kg. Granule Filling Machine

GFM 06

Applications :

Ideal for Packing of : Rice, Wheat, Grain, Plastic Granules, Cotton Seeds Oil Cake, Puff Rice Packing Poha Packing, Seeds Oil Cake, Cattle Feed, None Free Flow Products, Sugar, Fertilizer, Plastic Granules, Crystal Salt, Seeds, Different Type of Grain etc. All Type of Grains & Granules

Specifications :

- **System** - Bag Filling Machine
- **Scope of Supply** - Bag Filling Machine 3 mtr Slat / belt Conveyor with Bag Closure Stitching machine , Screw Conveyo, Storage Silo , Bucket Elevator
- **Capacity** - 25kg, 25 to 70kg for BWFS 05 & 5kg to 10kg for GFM 06
- **Output** - 3-4 / 8-10 Bags per minute
- **Dimension** - L- 1800 mm x W-1200 mm x H-2700 mm approx (Customize)
- **Filling Accuracy** - Up to 2E , +/ - 0.2 %
- **Filling Mechanism** - Electro- Pneumatic gate , coarse and fine gate filling system apply
- **Filling System** - Load Cell based , weight fill in hopper and drop
- **Filling Mode** - Coarse, and Fine filling and then drop automatic in bag , after that bag clamp opening
- **Power Supply** - Bagging Machine-230 V AC, 50 Hz., Conveyor-440 V, 3-phase (2 HP).
- **Air Supply** - 5-6 Bar.

Valve Type Bag Filling Machine

VTBFM 07

VTBFM 08

Applications :

Ideal for Packing:

- Powder Material like
- Wall Putty Powder
- Gypsum Powder
- Construction Chemicals
- Lime Powder
- Refractory Material
- Minerals Powder
- White Cement

Applications :

Ideal for Packing:

- Powder Material like
- Cement
- Fly ash
- Dry Material
- Tile Adhesive
- Construction Chemicals
- Lime Powder
- China Clay
- Minerals Powder
- Cement Sand Material
- Pop Powder

Specifications :

- **System** - Valve Type Bagging Machine
- **Capacity** - Max : 50 kg , Min : 20 Kg
- **Accuracy** - +/- 0.2%
- **Number of Fillings** - 2-3 bag/min Powder, Depend on Material
- **Filling Valve** - Screw or Motorized & Pneumatically operated Gate
- **Features of the Control Panel** - Coarse & Fine set , weight set , bag count , LED Display , start stop control
- **Weighing Sensor** - Load Cell
- **Dimension** - L – 1800 mm X W – 1200 mm X H – 2700mm
- **Power** - 230 V AC, 50 Hz
- **Air Supply** - 5- 6 kg / cm2

Note : Accuracy and Number of filling are based on the properties and flow characteristics of the materials

SIGMA

Liquid Tin Filling System

LTFS 09

Applications :

Ideal for Filling of : Oil, Liquid, Chemicals, Tin, Jar, Bucket

Specifications :

- **System** - Oil Filling System
- **Process** - 2 Speed Motorized Gear Pump with Non Drip Valve
- **Filling Mechanism** - Flow control Pneumatic Solenoid Valve Coarse and fine system
- **Capacity** - 5 Liter to 20 liter
- **System** - Load Cell Based, Weight-metric platform
- **Mode** - Coarse, & Fine with Auto In light Correction
- **Number of filling** - 2 to 3 tin / min.
- **Accuracy** - 2 E , + / - 0.2 %
- **Power Supply** - 1 Phase / 230 V
- **Dimension** - L – 700 mm X W - 700 mm X H - 1200 mm

Paint / Chemical Filling System

PCFS 10

PCFS 11

PCFS 12

Drum Filling System

Applications : **Ideal for Filling of : Oil, Liquid, Chemicals, Bitumen**

Specifications :

- **Capacity** - 50kg./ltr. to 300kg./ltr.
- **Fill Accuracy** - Better than + / - 0.2% FSO
- **Display** - 0.5 mm height (7 segments LED)
- **Load Sensor** - Strain Gauge Based Load sensor
- **Fill Mode** - Auto/Manual
- **Number of Fillings** - 1 fillings per 4 to 5 minute (Depends on the flow available)
- **Filling Valve** - SS with Teflon Lining
- **Operating Temp** - 5-50 degree C
- **Operating Pressure** - 6-8 bar
- **Power Supply** - 230 V AC, 50 Hz +/- 10%
- **Platform Size** - 500 x 500 mm and 750 mm x 750 mm
  As per Customer Requirement
- **Roller conveyor for unloading drum** - 750 mm x 1200 mm standard for unload filling drum 230kg
- **Roller conveyor on platform size** - 750 x 750 mm
- **Roller diameter** - 50mm

DFS 13

5kg To 10 Kg Semi Auto Flour Bag Packing Machine

Applications :

Ideal for Packing of : Flour, Fertilizer Powder & Chemical Powder

Specifications :

- **System** - Bag Filling System
- **Scope of Supply** - Bag Filling Machine 3 mtr. Slat / Belt Conveyor with Bag Closure
- **Capacity** - 5kg. to 10kg.
- **Output** - 4 - 5 Bags / Min.
- **Dimension** - L - 900mm x W - 900mm x H - 2700mm Approx
- **Filling Accuracy** - Up to 2E
- **Filling Mechanism** - Electro - Pneumatic
- **Filling System** - Load Cell Based, Weigh Metric Coarse & Fine
- **Filling Mode** - Coarse, Medium and Fine with Auto in Light Correction
- **Air Supply** - 5 - 6 Bar.

SAFBPM 14

500gm to 2kg Semi Auto Granule Packing Machine

SAGPM 15

Applications :

Ideal for Packing of : Rice, Seeds, Sugar, Fertilizer, Different type of Grain etc.

Specifications :

- **System** - Powder / Granule Filling System
- **Model** - Dual Weighing with Single Discharge
- **Processes** - AC Drive Controlled Screw 2 Speed / Vibratory Feeder
- **Capacity** - 500gm to 2kg.
- **System** - Load Cell Based, Weight Metric

Screw Conveyor Hopper

Specifications :

- **Screw Pipe Dia.** - 100 To 200 mm (Customize)
- **Screw Pipe Length** – 10ft. To 30 Ft. (Customize)
- **Screw Charging Hopper** - 2 Ft. To 4 Ft. As Par Requirement
- **Power** - 2HP To 5 HP. As Par Requirement
- Movable Or Fix As Par Customer Requirement

Use To Powder Material Transfer At Height Fro 4 Ft. To 15 Ft.

SCH 16

Truck Loading Conveyor

TLC 17

Specifications :

- **Length** - 26 Ft. std (Also Customized)
- **Width** - 600mm
- **Discharge Height** - 6 To 10 Ft Adjustable
- Height Adjusted by Mechanical Screw Jack / Hydraulic
- **Charging Height** - 2 Ft.
- **Power** - 3 HP
- **Belt** - 8 mm Thick Rubber or Green PVC
- Also MFG As per Customer Require

Use To Load Bag / Box In Truck And Container

Bulk Material (Container) Feeding Conveyor

BMFC 18

Specifications :

- **Different Capacity** - 10t To 20t / Hour
- **Material Loading In Container Height** - 13 Ft.
- **Belt** - Green PVC / Black Rubber
- **Width Of Conveyor** – 600mm
- Movable On Wheel
- High Volume Charging Hopper
- Material Load By JCB or Tractor Loader

Use To Lose Material Load In Container or liner bag

Goods Lift

GL 19

Specifications :

- **Different Capacity** - 300 Kg to 1 ton
- **Height of lift** - upto 20 ft for Hydraulic Lift Type
- More then 20 ft Rope Lift
- **Platform Size :** Customize
- **Application :** Warehouses, Factory, Industries.

Hot Sealing Machines

Applications :

Ideal for Seal of : 5kg. to 50kg. Bag

Specifications :

- **Sealing Width** - 300 to 700 mm
- **Sealing Speed** - 3 to 4 Beg / min.
- **Max Conveyor Load** - 50 kg
- **Conveyor Belt Width** - 350 mm
- **Temp. Rang** - 0-250 degree C
- **M/C Dimension LxWX(mm)** - 800 x 380 x 840 mm, Customized
- **Power** - 50 Hz 10 200V / 5A
- **Operating Pressure** - 6-8 bar

HSM 20

Heavy Duty Stitching Machine and conveyor

HDSM 21

Specifications :

- Height Adjustable
- Fit With Panel On Stand
- Single Needle And Double Needle Stitching
- Motor –0.5 Hp
- Operated By Foot Switch
- When Bag Pass On Conveyor Stitch Bag
- Conveyor And Stitching Machines Operated By Panel
- Belt - Green PVC / Black Rubber / Slat Conveyor

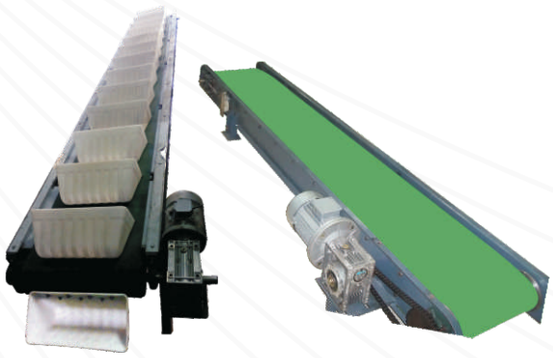
Use To Stitch Bag 200 To 450 Bag Per Hour

Belt Conveyor

Specifications :

- **Length** - 3 Ft . to 200 Ft. (As per requirement)
- **Width** – 200mm to 900mm (Customize)
- **Belt** - Green PVC / Black Rubber
- **Straight Height** – As per requirement or Horizontal
- **Power** – As per Length & Load Gear louse Motor use

Use To Transfer Bag Fast And Transfer Material



BC 22

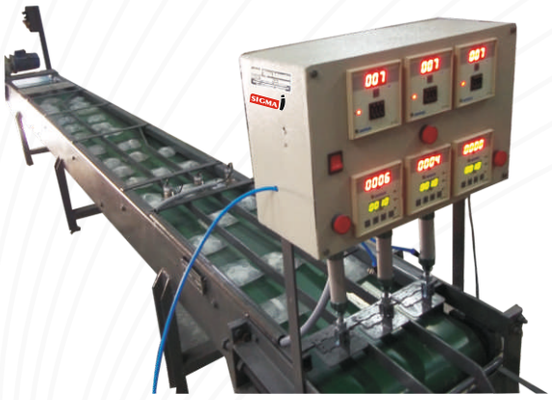
SIGMA

Pouch Counting / Collecting Conveyor Machine

Specifications :

- **Conveyor Length** - 8 Ft.
- **Conveyor Width** –300mm
- **Pouch Counting Speed** - 1 Pouch / Second
- **Pouch Capacity** – 100gm To 1000gm
- Pouch is up from FFS machines to inspection table
  Discharge height – 800 mm | Input charging height – 180mm

Use To Count And Collect Pouch In Bag From FFS Machine, Water Pouch And Different Material Pouch



PCCM 23

Gravity Type Roller Conveyor

GTRC 24

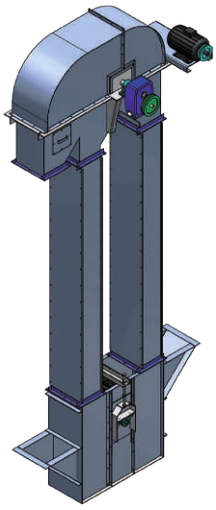
Specifications :

- Length Of Roller Conveyor – 1 Mtr. To 5 Mtr. As Per Customer
- Gravity Type Roller Conveyor
- Roller Move And Rotate By Gravity
- Roller Conveyor Height As Per Customer

Use To Move Box And Heavy Parts

Motorized Curved Roller Conveyor, Motor Operated Roller Conveyor, Roller Move And Routed by motor.

Bucket Elevator



BE 25

Specifications :

- Available In Different Size And Construction
- **Bucket Size** - 6''x4"x3" | 8''x4"x3" | 10''x6"x3" | 12''x6" X5"
- **Capacity** - 3 Ton/Hr | 4 Ton/Hr | 5 Ton/Hr | 8 Ton/Hr
- **Height Of Elevator** - 10ft., 12ft., 15ft., 18ft., 20ft. up to Requirement

Use To Load Material At Different Height

Nursery Bag / Mushroom Bag Filling Machine

MBFM 26

Specifications :

- **Capacity** : 500gm to 5 kg
- Screw type Feeding
- **Hopper Capacity** : 50kg
- **Bag pack** : 600 per Hour
- **Power** : 3kw
- **Air Require** : 5kg Pressure

Use To Clay Filling / Mushroom Fertilizer Filling Soil Filling purpose

Converised Bag Closing Machine

Specifications :

- **Brand** - Revo
- **Material** - MS
- **Capacity** - 200 Bags/hour (Approx speed as per conveyor speed)
- **Size/dimension belt conveyor** - As per the requirement
- **Automatic Grade** - Automatic Semi-Automatic Manual
- **Model** - DA

CBCM 27

Revo Bag Stitching machine with Conveyor with the high- quality of material used as the customer requirements.

Pressing with Vacuum Pole Machine

PVPM 31

Applications :

We are manufacturer of
Green Corn Silage Packing machine with vacuum, Pressing by Pneumatic Cylinder.

Specifications :

- **Machine Type** - Semi-Automatic
- **Capacity** - 40-50 BPH
- **Power(kw)** - 440
- **Power Consumption(HP)** - 3 HP
- **Dimension(L*W*H)** - 4 Ft x 4 Ft x 5 Ft
- **Vacuum With Pressing** - 650 To 700 Bar
- **Packaging Material** - HDPE 50 Kg Bag
- **Bag** - Put by Manually
- **Bag** - Press,Vacuum & Seal
- **Model No.** - PVPM 31

Ribbon Blender Mixer

S.S.

M.S.

Salient Features :

- A Ribbon Blender Mixer typically has metal covers, often in a double helical framework, containing a main bar that extends the length of the trough.
- Contact Parts in MS or SS (As per Requirement)
- Working Gear With Motor Power transmission through Belt
- The wires are twisted and fitted in order to continually move things inside the container.
- Provided with dust proof top cover with window.

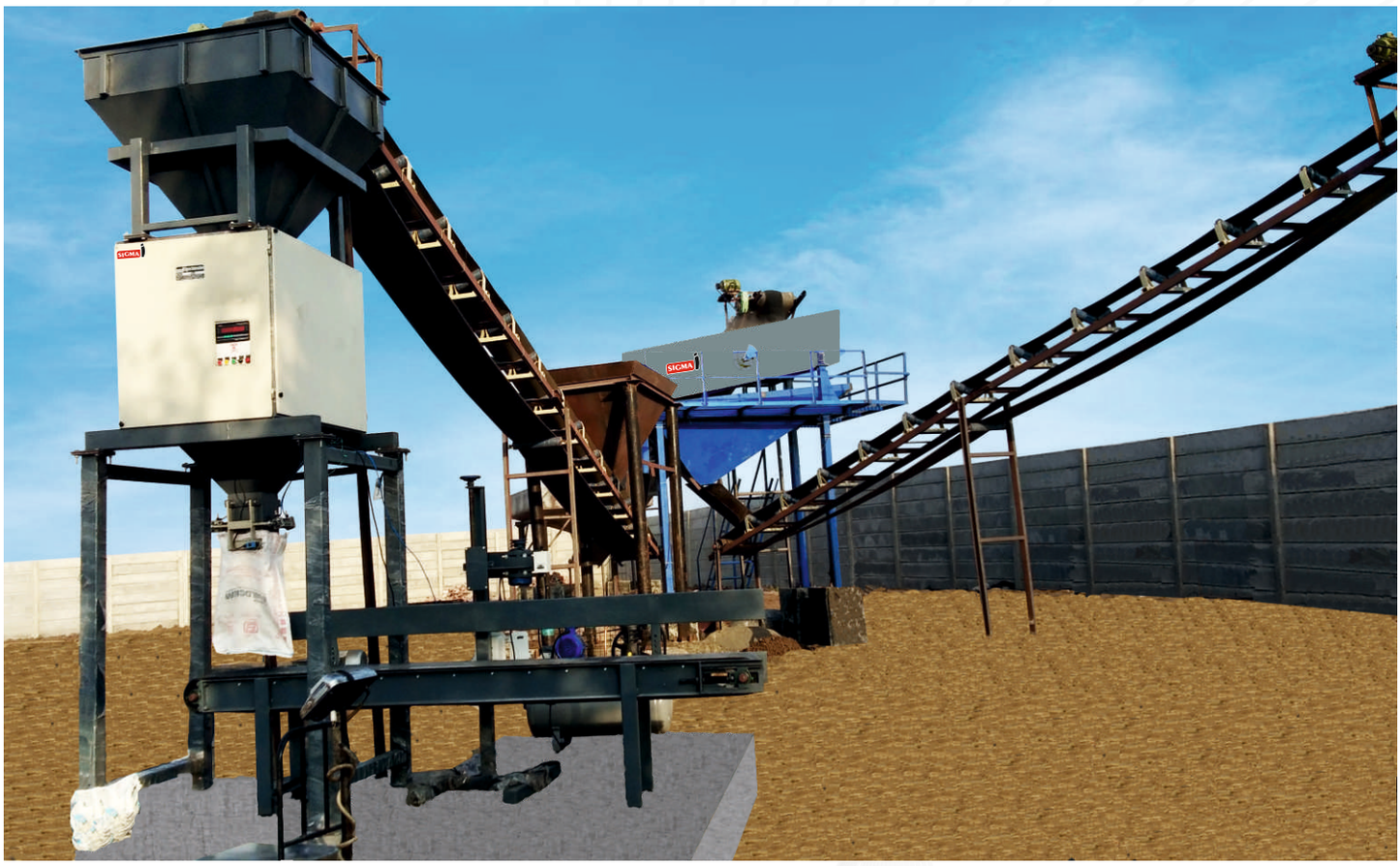
Basic Features :

- Batch Size based on 65% of Blender Valume
- Available in batch capacities ranging from 500 Kgs to 5,000 Kgs, as per client's requirements, depend on Bulk Density.
- Various types of ribbon blenders such as pressure, double spiral etc. are available.
- Available in standard cGMP and customized models with SS 304/316/316L contact parts.
- The container shape and the mixing stirrer give continuous movement resulting in better quality mixing and blending.
- Continuous Ribbon Design for complete discharge
- Ribbons are designed in such a way so as to provide both radial and linear motion for a complete homogenous mixing.

Application :

1.Cement Sand
2.Dry Mortar
3.Tile Adhesive
4.Block Joining Adhesive
5.Tile Grout
6.Wall Putty
7.White Cement

SAND BAG PACKING PLANT



Sand Packing Machine which are highly applicable in various industries. We are one of the known mfg suppliers of packing machine (25-40-50 kg) of various capacity in India. At our vendors end, our offered sand is processed by using best quality raw material and advanced techniques in order to deliver high quality product. We offer this sand in different packaging options and deliver within promised time-frame.

Applications :

Ideal for sand, River sand, Quartz sand, M sand, Sillica sand, P Sand, Wash Sand, Dry Sand

Features :

- High quality
- High resistance to thermal shock
- Low thermal conductivity
- Machine output : 600-800 bag/hour
- Low maintenance
- User Friendly
- Easy to operate by worker

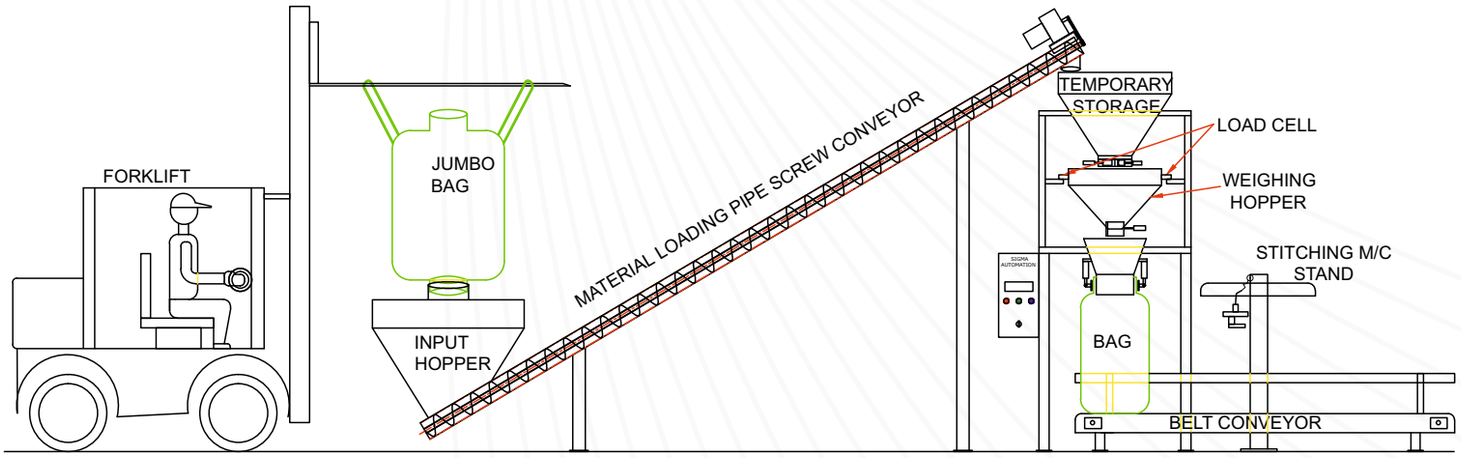
Jumbo Bag Unloading System

Specifications :

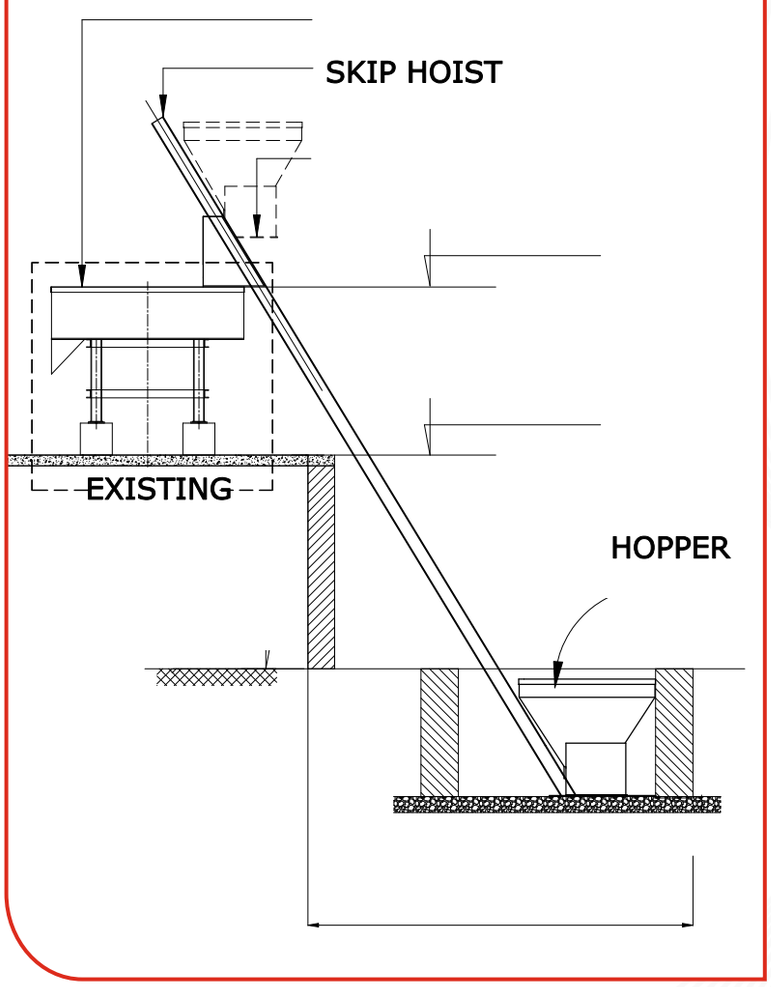
- **Model Name :** JBUS
- **Size :** 1800 x 1800 mm and 6 meter height
- **Hopper :** Hopper capacity 300 kg to 2000kg
- **Capacity :** 1 to 10 ton per hour or 1 to 10 bag / hour Brand
- **Lifting system :** 1 to 2 ton crane hoist monorail type use move by up down and left right side by four press button
- **Systems :** Pneumatically operated actuator petals massage the lower portion of the bag to promote material flow toward the center of the bag. MS / SS
- **Structure :** Structure with platform and staircase for easy operation two side reeling for jumbo bag clamping and dumping
- **Driven Type :** Electric / pneumatic type

Application :

- For charging of silo , hopper and mixer
- For convert in 20 to 50 kg bag
- For convert in small bucket
- For charge material in reactor vessel



SKIP HOIST



Skip Hoist

Z Bucket

Flexible Grain Loading Conveyor

Goods Lift

Double Spout Filling

Double Spout Filling

Gravity Valve Bag Packing

Box Roller Conveyor

Customize Belt Conveyor

Screw Conveyor

Chain Conveyor

Packing Belt Conveyor

Food Gread Cleated Belt Conveyor

U Shape Screw Conveyor

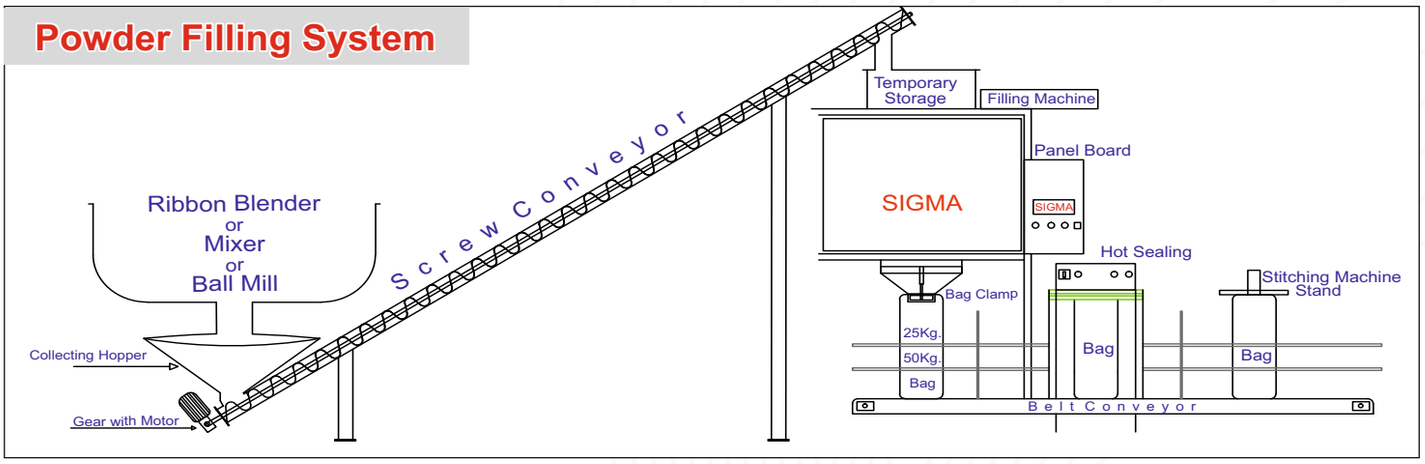
Cheveron Conveyor

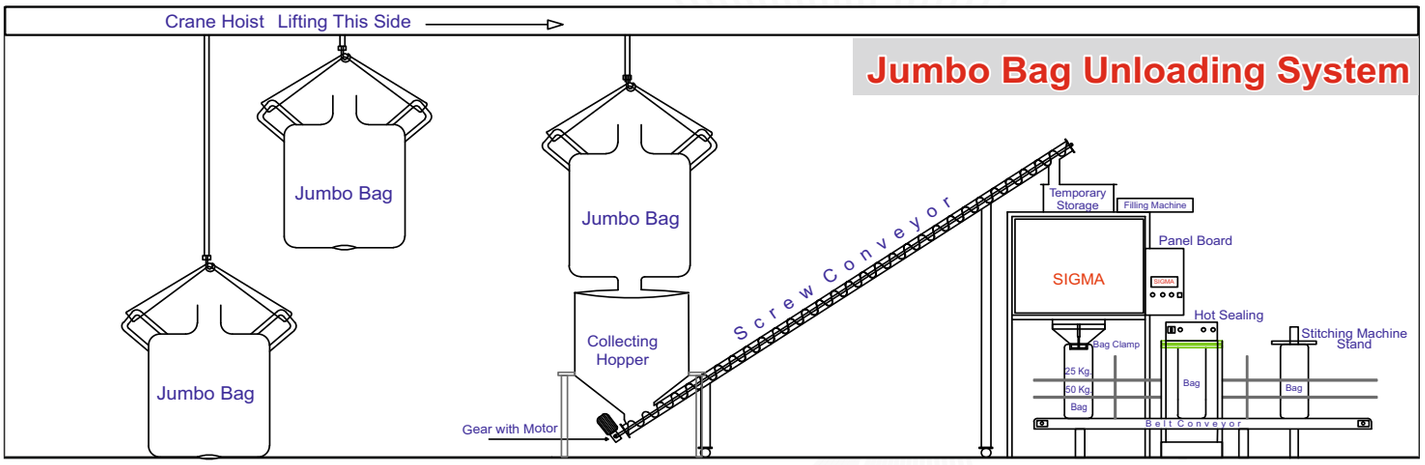
Material Handling Conveyor

Bag Box Loading Conveyor

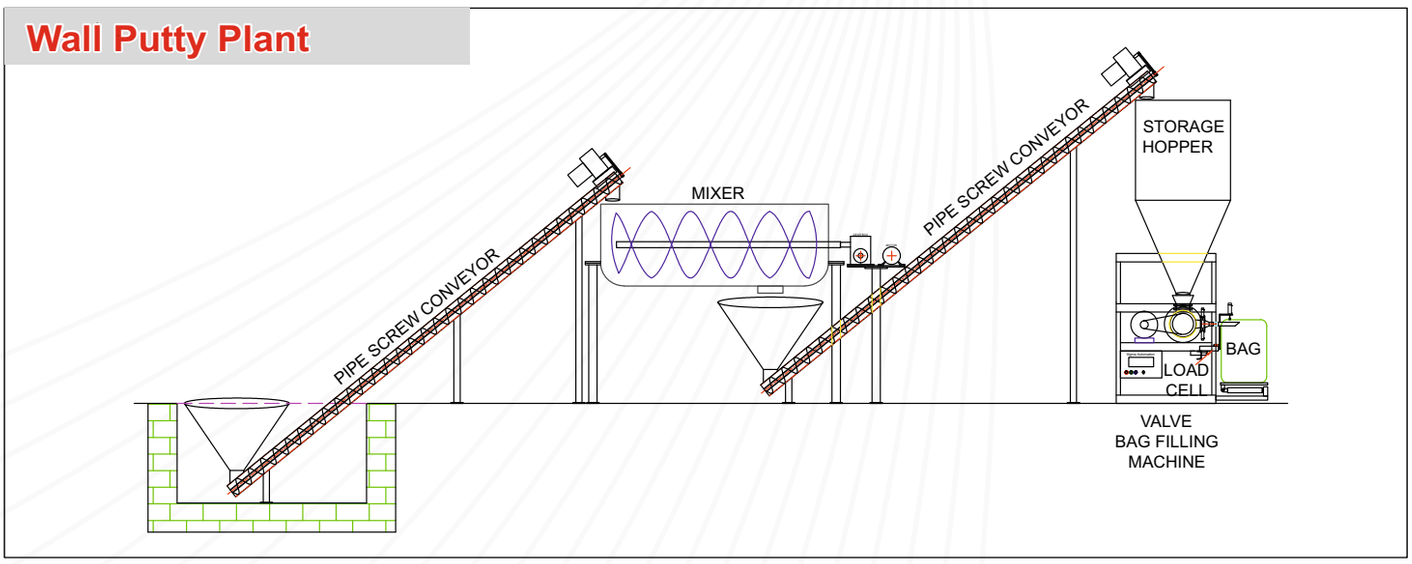
Conveyor

Powder Filling System





Wall Putty Plant



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