

www.sigmabagfillingmachine.com



Make In India

*Perfect
Packing
Solutions*



Mfg. of :-

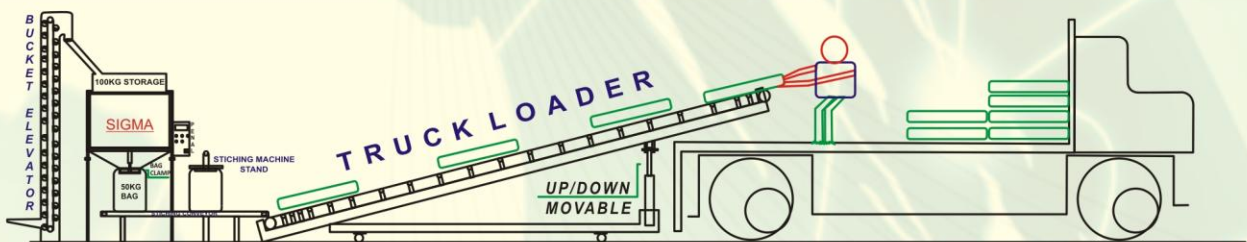
**Bag Weighing, Filling, Packing, Material Handling,
Conveying, Automation System**

www.sigmainstrumentation.com

M : 98250 15542

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. Along with this, we also offer Truck Loading System, Material Feeding Belt Conveyor, All Type 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 Product, beverage, chemical and Mine Industries, pharmaceutical industry applications. Our superior range of products is **Chemical Industries, Fertilizer, All type Granule and Powder Packing, Cement, Gaur Gum, Sortex Mill, Sugar Industries, Mine Industries, Seeds, Silica Sand, Dry Mortar Construction Material Packing.**



*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, Granule, Fly ash , Minerals Powder, Fertilizer 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 bags per hour powder / granule
Dimension	L-1500 mm X w - 1500mm X H- 2900 mm approx
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



PBFM 03



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 Resin Powder, Dry Mortear 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

Bag Weighing & Filling System



Granules Filling

BWFS 05

→ 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
All Type Grains & Granules

→ Specifications :

System	Bag Filling Machine
Scope of Supply	Bag Filling Machine 3 mtr Slat / belt Conveyor with Bag Closure Stitching machine , Screw Conveyor , Storage Silo , Bucket Elevator
Capacity	25kg, 25 to 70kg for BWFS 05 & 5kg to 10kg for GFM 06
Output	3-4 bags per minute
Dimension	L- 1800 mm x W-1200 mm x H-2700 mm approx
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.

5kg. to 10kg. Granule Filling Machine



GFM 06

→ Applications :

Ideal for Packing of : Sugar, Fertilizer,
Plastic Granules
Crystal Salt, Seeds
Different Type of Grain etc.

Valve Type Bag Filling Machine



VTBFM 07

→ Applications :

○ Ideal for Packing:

- Powder Material like
- Wall Putty Powder
- Dry Mortar
- Construction Chemicals
- Lime Powder
- Refractory Material
- Minerals Powder

→ Specifications :



VTBFM 08

→ Applications :

○ Ideal for Packing:

- Powder Material like
- Cement
- Fly ash
- Construction Chemicals
- Lime Powder
- China Clay
- Minerals Powder

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 / cm ²

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

Liquid Tin Filling System

→ 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

LTFS 09



PCFS 10



Paint / Chemical Filling System

PCFS 11



PCFS 12



→ Specifications :

→ Applications :

Ideal for Filling of : Oil, Liquid, Chemicals

Capacity	50kg./ltr. to 300kg./ltr.
Fill Accuracy	Better than + / - 0.2% FSR
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

Drum Filling System



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

→ 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.

Screw Conveyor Hopper



SCH 16

→ 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

Truck Loading Conveyor



TLC 17

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 Load Material Load In Container or liner bag

→ 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.

Goods Lift



GL 19

→ 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

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
Operate By Foot Switch
When Bag Pass On Conveyor Stitch Bag
Conveyor And Stitching Machines Operate By Panel
Belt - Green PVC / Black Rubber / Slat Conveyor
Use To Stitch Bag 200 To 450 Bag Par Hour

Hot Sealing Machines

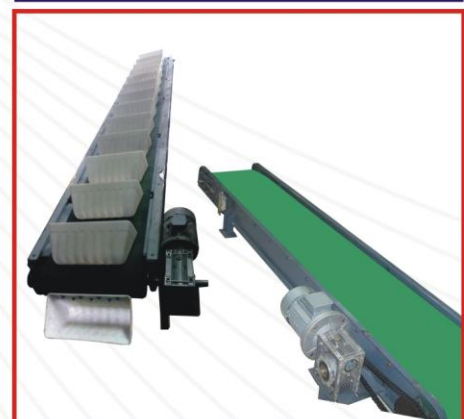


HSM 20

→ 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

Belt Conveyor



BC 22

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



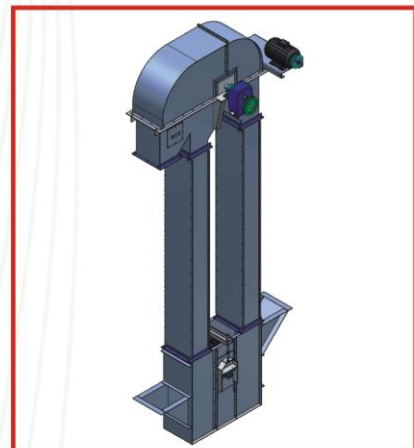
GTRC 24

→ Specifications :

Length Of Roller Conveyor - 1 Mtr. To 5 Mtr. As Par Customer
Gravity Type Roller Conveyor
Roller Move And Rotate By Gravity
Roller Conveyor Height As Par 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 Require
Use To Load Material At Different Height

Belt Weigher / Belt Weighing System



BWS 26

→ Specifications :

Continuous Type Weighing Automaton
On Line Weighing And Feeding Type Arrangement
Belt Conveyor As Par Customer Size
Capacity - 5t To 100t / Hour
Material Pass With Weighing And Totaling
Use To Calculate Input Material In Your Production

Converised Bag Closing Machine



CBCM 27

→ Specifications :

Brand	Revo
Material	MS
Capacity	400 Bags/hour (Approx speed as per conveyor speed)
Size/dimension belt conveyo	As per the requirement
Automatic Grade	Automatic Semi-Automatic Manual
Model	DA

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

Silage Bag Packing Machine



SBPM 28

→ Specifications :

Minimum Order Quantity	1 Unit
Machine Type	Semi-Automatic
Capacity	40-50 BPH
Power(kw)	440
Power Consumption(HP)	7.5
Dimension(L*W*H)	Customize
Condition	New
Packaging Material	silage bag
Model No.	SVBPM13

We are manufacturing of green corn silage packing machine with vacuum and hot sealing system.

Sand Packing Machine which are highly applicable in various industries. We are one of the known mfg suppliers of packing machine (25-40-40 kg) various capacity in India. At our vendors end, our offered sand is processes 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..

→ Features :

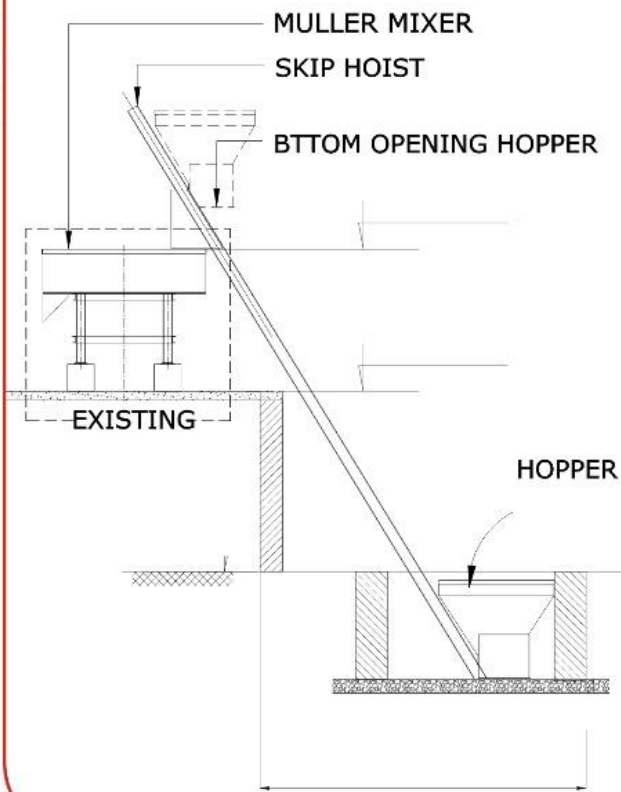
Extremely high quality
Consistent chemistry
High resistance to thermal shock
Low thermal conductivity
Machine output : 600-800 bag/hour
Low maintainance
Friendly user
Easy to operate by worker

Sand Packing Machine



SPM 29

SKIP HOIST



Silage Bag Packing Machine



SBPM 28

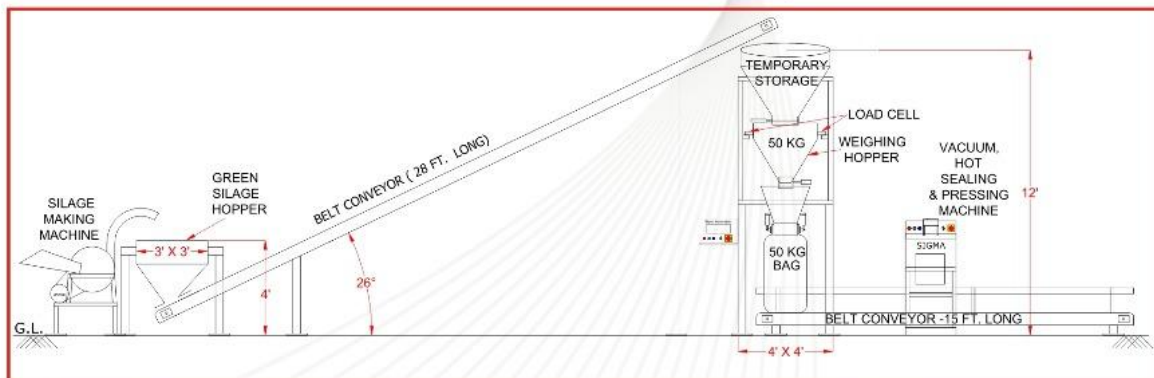
→ Specifications :

Sealing Width	800 mm
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.	SVBPM 28

→ Applications :

We are manufacturing of green corn silage Packing machine with vacuum, Pressing by Pneumatic Cylinder and hot sealing system.

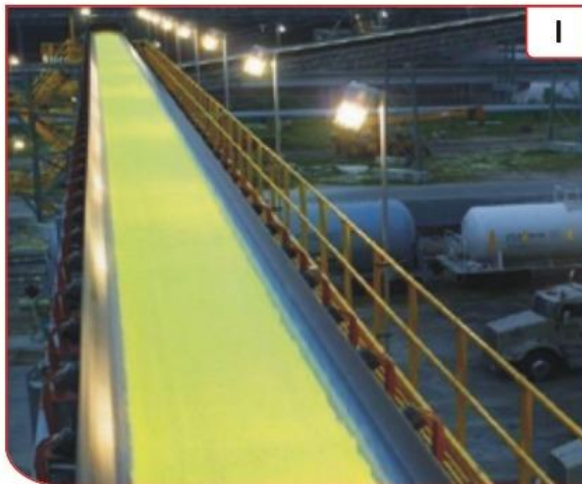
Silage Packing Line



→ Specifications :

SPL 29

System	Silage Bag Filling Machine
Model	Filing, Weighing, Vacuum & Sealing
Processes	Motorized Belt Feeder with Pneumatic Controlled Gate & Pneumatic Bag Clamp 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 – 3200 mm





Box Roller Conveyor

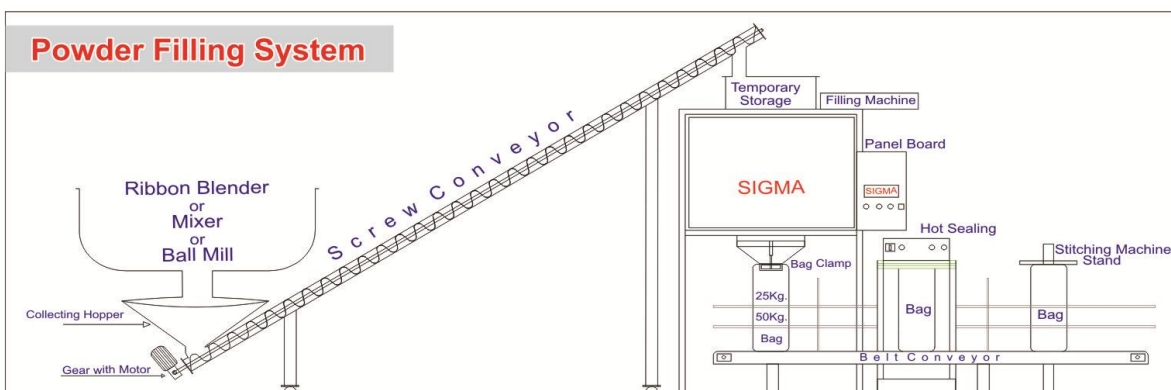


Customize Belt Conveyor

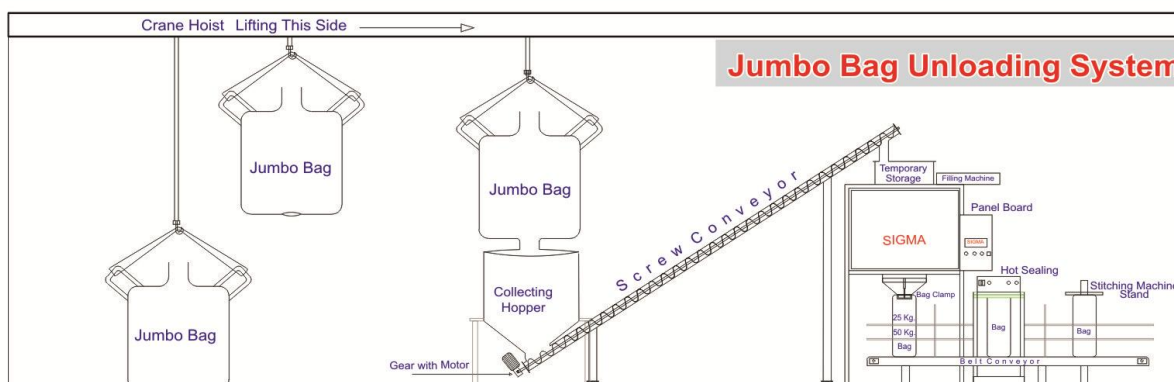


Screw Conveyor

Powder Filling System



Jumbo Bag Unloading System



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Web : www.sigmainstrumentation.com | www.sigmainstrumentation.com

25 Kg Poha Bag Filling Video link

<https://youtu.be/vdd7qgkhVNc>

Bag Loading Unloading Conveyor System Video link

<https://youtu.be/FYSw2RMHhCU>

25-50 Kg Rice Bag Filling System Video link

<https://youtu.be/HvCA9ON8PA0>

Box Loading Conveyor Video link

<https://youtu.be/gRnCAXSQqvo>

<https://youtu.be/md0uiUwJBu0>

Box Transfer Belt Conveyor Video link

<https://youtu.be/JJ6Sj58wiAI>

Sand Bag Filling Video link

<https://youtu.be/onRpIHXYRZI>

Silage Bag Packing Machine Video link

<https://youtu.be/onRpIHXYRZI>

1 Ton JumboBag Filling System Video link

<https://youtu.be/r7ITVmhcJJU>

50 kg powder Bag Filling machine Video link

<https://youtu.be/cdqn6McnM1I>

40-50 kg Valve type Bag Filling Machine Video link

<https://youtu.be/Hs8Fr-uXMMM>

PVC Granule Packing Machine Video link

<https://youtu.be/9354fCmSYdU>

Poultry Feed Packing Machine Video link

https://youtu.be/_-Wc2TTLc0

50 kg Cattle Feed Packing Machine video link

<https://youtu.be/uEpCwsHhyHg>

Tin Oil Filling Machine

<https://youtu.be/FYSw2RMHhCU>

Flour Packing Machine Video link

<https://youtu.be/awoJSBq7VGo>

Dry Mortar Material Packing Machine Video link

<https://youtu.be/dVZ7GFk1ZGI>

Bag Stacker Conveyor Video link

<https://youtu.be/sR9svnQGoq0>

Sugar Bag Filling Machine Video link

<https://youtu.be/YLBMdyLBIUM>

Wheat Filling Machine Video link

<https://youtu.be/nZSMfok8icY>

5kg filling & stitching on belt conveyor

<https://youtu.be/0tWcH1w8Iuk>

