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**SIGMA**



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*Perfect  
Packing  
Solutions*



**Mfg. of :-**

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

## Jumbo Bag Filling Machine - JBFM01



→ **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 - PBFM02

→ **Applications :**

Ideal for Packing of : Guar gum Powder, Chemical powder, Granule, Fly ash , Minerals Powder, Fertilizer 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



## Valve Type Bag Filling Machine - VTBFM05



→ **Applications :**

○ **Ideal for Packing:**

- Powder Material like
- Lime Powder

→ Construction Chemicals

→ Dry Mortar

→ Minerals Powder

→ Wall Putty Powder

→ Refractory Material

→ **Specifications :**

System	Valve Type Bagging Machine
Capacity	Max : 50 kg , Min : 20 Kg
Accuracy	+/- 0.2%
Number of Fillings	1-2 Bags / min for granule , 1-2 bag/min Powder
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



## Drum Filling System - DFS08



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

→ **Specifications** :

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

→ **Applications** : Ideal for Seal of : 5kg. to 50kg. Bag

→ **Specifications** :

Sealing Width	300 to 700 mm
Sealing Speed	3 to 4 / 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
Power	50 Hz 10 200V / 5A
Operating Pressure	6-8 bar

## Hot Sealing Machines - HSM09



## Heavy Duty Stitching Machine - HDSM10



→ **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		
Use To Stitch Bag 200 To 450 Bag Par Hour		

→ **Specifications** :

Length - 26 Ft.	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	
Use To Load Bag In Truck And Container		

## Truck Loading Conveyor - TLC12



## Screw Conveyor Hopper - SCH17



→ **Specifications** :

Screw Pipe Dia. - 100 To 200 mm	Screw Pipe Length - 6 ft. To 20 Ft.	Power - 2HP To 5 HP
Screw Charging Hopper - 50 to 150kg. Capacity		Movable Or Fix As Par Customer Requirement
Use To Powder Material Transfer At Height Fro 4 Ft. To 15 Ft.		



**Box Roller Conveyor**



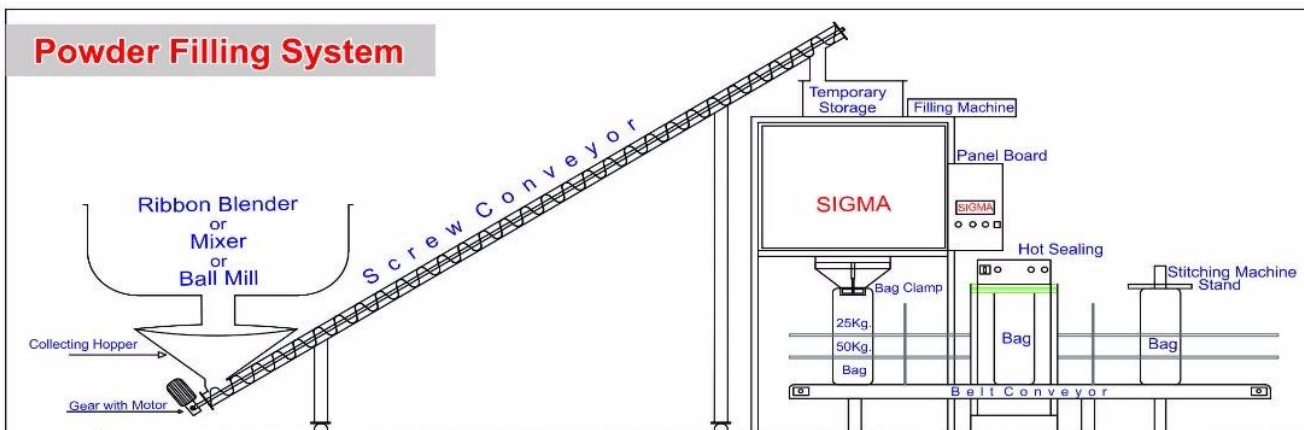
3/4/ 5Ft. Width  
15,20,25 Feet Length

**Filter Press Belt Conveyor**

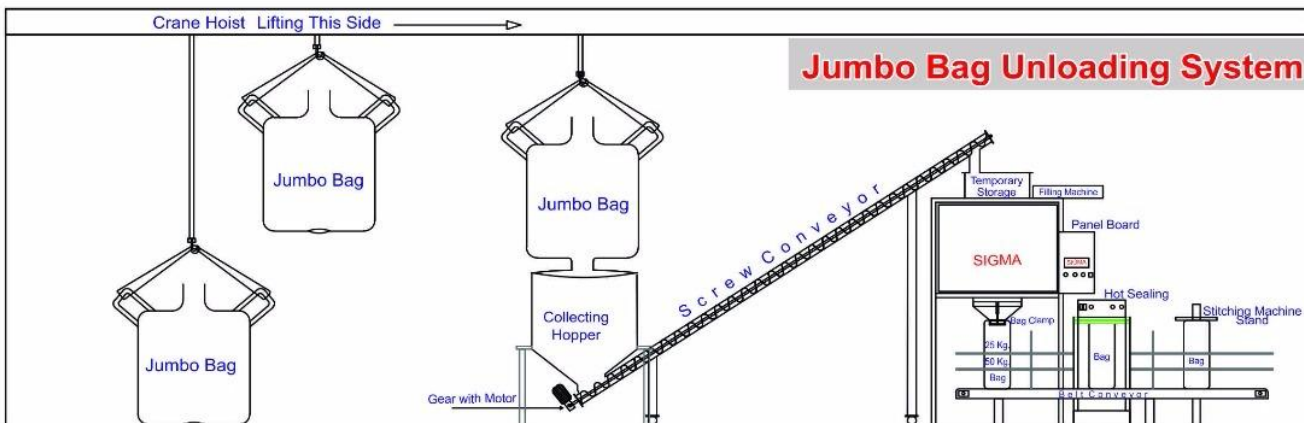


**Screw Conveyor**

### Powder Filling System



### Jumbo Bag Unloading System



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