



Legacy of delivering Solid Waste Handling & Processing equipments.

Item No.

Name of Item / Specification

1

SCREENING MACHINE WITH BELT CONVEYOR



a. SCREEN MACHINE

Capacity	2 TPH	
Material to be Screened	Compost (Converted from Garbage)	
Overall Dimensions	Screen Diameter	Ø1200 mm
	Length	4500 mm
Material Of Construction	1.6 mm Thk Screen with Ø 4 mm perforation	
Reinforcement Section	10 mm thk Flat rings and 5 mm thk end shells	
Drive	3.00 HP Geared Motor of desired O/P RPM	
Supporting Structure	Fabricated form Channel 125 X 65	
Electrical Control	Consisted with fuse less protection, With emergency switch and VFD for setting of desired RPM for screen	
Finishing and painting	Entire machine exposed surface is ground and to be painted with enamel paint of customer desired shade.	

b. BELT CONVEYOR

Capacity	2 TPH
Type	Three Equal roll trough belt Conveyor
Material to be handled	Compost (Converted from Garbage)
Center / Centre Length	9.5 Mtr.
Belt Width	600 mm
Conveyor frame	Channel 100 X 50
Drive / Tail Drum	Ø320 mm with Ø50 mm shaft at bearing step
Carrying / Return Idler	Ø 76 mm with Bearings & Seal at both side
Drive all equipments	3.00 HP Geared Motor of desired O/P RPM
Supporting Structure	Fabricated form Channel 100 X 50
Take up	Screw type take up for belt tightening
Electrical Control	Consisted with fuse less protection, With emergency switch
Finishing and painting	Entire machine exposed surface is ground and to be painted with enamel paint of customer desired shade.

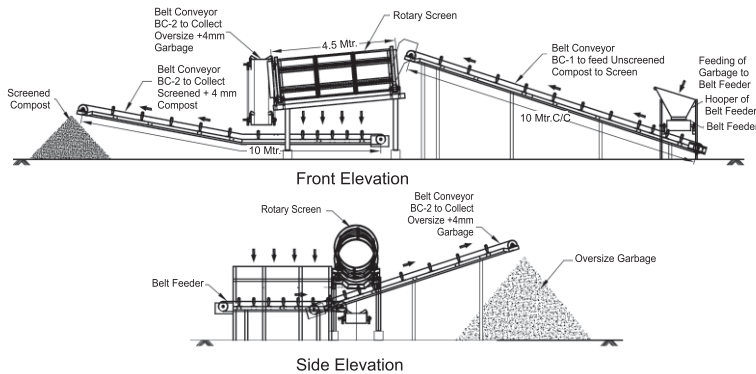
Item No.

Name of Item / Specification

2

COMPOST SCREENING SYSTEM WITH BELT CONVEYOR

Technical Specification :- This screening system is intended to screening of compost in mechanized way i.e. feeding of composted garbage by means of front end loader and collection of screened compost by means of belt conveyor and oversized unscreened collection is also done by belt conveyor thus to drastically reduces the handling of garbage by human being and enhances the production capacity of the system.



a. SCREEN

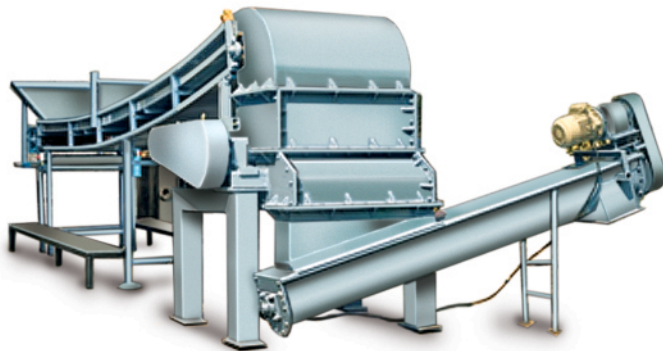
Capacity	25 TPD	
Material to be Screened	Compost (Converted from Garbage)	
Overall Dimensions	Screen Diameter	Ø1200 mm
	Length	4500 mm
Material of Construction	1.6 mm Thk Screen with Ø 4 mm perforation	
Reinforcement Section	10 mm thk Flat rings and 5 mm thk end shells	
Drive	3.00 HP Geared Motor of desired O/P RPM	
Supporting Structure	Fabricated form Channel 125 X 65	
Electrical Control	Consisted with fuse less protection, With emergency switch and VFD for setting of desired RPM for screen	
Finishing and painting	Entire machine exposed surface is ground and to be painted with enamel paint of customer desired shade.	

b. BELT CONVEYOR AND BELT FEEDER

Capacity	25 TPD		
Type	Belt Feeder	BC-1, BC -2 & BC-3	
	Single Roll Flat belt	Three Equal roll trough belt	
Material to be handled	Compost (Converted from Garbage)		
Center / Center length	Belt Feeder	BC-1 & BC-2	BC-3
	4.00 Mtr	9.5 Mtr.	7.00 Mtr
Belt Width	Belt Feeder	BC-1, BC -2 & BC-3	
	700 mm	600 mm	
Conveyor frame	Channel 100 X 50		
Drive / Tail Drum	Ø320 mm with Ø50 mm shaft at bearing step		
Carrying / Return Idler	Ø 76 mm with Bearings & Seal at both side		
Drive all equipments	3.00 HP Geared Motor of desired O/P RPM		
Supporting Structure	Fabricated form Channel 100 X 50		
Take up	Screw type take up for belt tightening		
Electrical Control	Consisted with fuse less protection, With emergency switch.		
Hopper	Feed hopper to be provided for belt feeder to enable the feeding of garbage by means of front end loader.		
Finishing and painting	Entire machine exposed surface is ground and to be painted with enamel paint of customer desired shade.		

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SINGLE SHAFT SHREDDER MACHINE



SHREDDING MACHINE - Technical Specification

Capacity	7 to 10 TPD
Inside Dimensions	450 mm X 600
Rotor Diameter	Ø 440 mm
Shredder Main Shaft	Hexagonal Shape of 1100 mm long
Shredding Cutters	40 mm X 40 mm X 150
Fixed blades	20 mm Thk SS - 210 blades with profile cutting edges
Supporting cutter blades	12 mm Thk SS - 210 blades with profile cutting edges
Shredder body	10mm thick M.S. Plate
Drive Motor	7.5 H.P. 1440 RPM,.
Machine Structure	CHANNEL 125 X 65 channel.
Painting and Finishing	Entire machine exposed surface is ground and to be painted with enamel paint of customer desired shade.

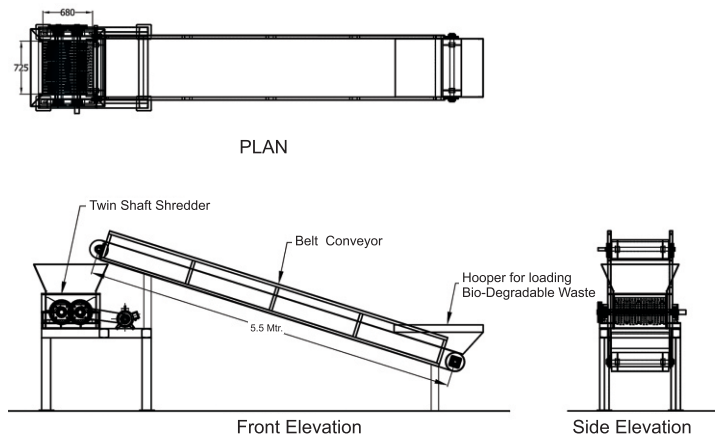
SORTING CONVEYOR - Technical Specification

Capacity	7 to 10 TPD
Type of Conveyor	Slider bed type
Belt Width	600 mm wide
Drive and Tail pulley	Ø220 mm with Ø 50 shaft @ brg step
Conveyor Structure	Carrying side slider will be of 2.5 mm
Drive arrangement	1.00 HP geared motor of desired RPM
Electrical control	Variable Frequency provided in electrical control panel to set the desired conveyor speed as per the availability sorting labour and nature of the garbage.
Belt Tightening	Screw type take-up
Finishing and painting	Entire machine exposed surface is ground and to be painted and to be painted with enamel paint of customer desired shade.

SCREW CONVEYOR - Technical Specification

Capacity	7 to 10 TPD
Screw Diameter / Pitch	Ø 225 mm / 225 mm
MOC of Screw flights	3.00 mm thk M. S.
Casing	Fabricated from 3.00 mm thk M.S.
Screw Pipe	Ø 60.3 mm OD
Drive Moto	1.00 HP geared motor of desired O/P RPM
Supporting cutter blades	12 mm Thk SS - 210 blades with profile cutting edges
Painting and Finishing	Entire machine exposed surface is ground and to be painted with enamel paint of customer desired shade.

TWIN SHAFT SHREDDING MACHINE



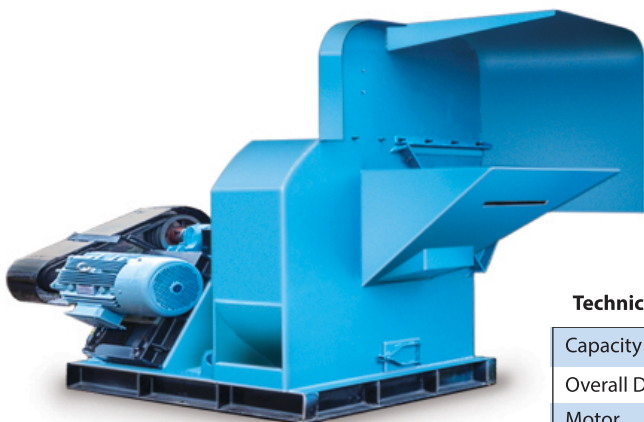
SORTING CONVEYOR - Technical Specification

Material to be handled	Bio Degradable Waste
Capacity	7 -10 M.T Per Day (8 Hours/Day)
Conveyor Length	5.2 Mtr. (Approx)
Belt	700 mm Wide
Drive/ Tail Pulley	Ø 250 mm
Conveyor Frame	SHS 40 X 40 mm pipe and 2.5 mm thk
Belt tightening arrangement	Screw type take
Drive	1.5 HP Foot mounted geared motor
Conveyor support	RHS 80 X 40
Electrical control	Variable Frequency provided in electrical control panel to set the desired conveyor speed as per the availability sorting labour and nature of the garbage.
Finishing and painting	Entire machine exposed surface is ground Entire machine exposed surface is ground and to be painted and to be painted with enamel paint of customer desired shade.

SHREDDER - Technical Specification

Material to be shredded	Bio Degradable Waste
Capacity	7 -10 M.T Per Day (8 Hours/Day)
Shredder casing	680 mm wide X 725 mm long
MOC of Casing	10 mm Thk M. S. Plate
Cutter blade diameter	18 mm thk Ø 340 mm equal spaced
Cutter blade holding shaft	2 Nos. polygon shaped Ø 70 mm @brg step
Fixed blades	Side mounted fixed blades of suitable profile is to be provided.
Drive	10.00 HP Geared motor
Shredder support	Channel X 65 M.S. channel
Painting & Finishing	All M.S. Structure is to be painted with One Coat of red oxide & one coat Enamel paint after finishing work by grinding etc.
Feed Hooper	Fabricated from 3.00 mm
Electrical control	Consisted with fuse less protection, With emergency switch
Finishing and painting	Entire machine exposed surface is ground and to be painted with enamel paint of customer desired shade.

SIMPLE PROCESSING MACHINE



Technical Specification

Capacity	9 M.T. per 12 hours working.
Overall Dimensions in mm	(W) 1170 X 1800 (with Hopper) X (H) 1900
Motor	4 Way 'V' Belt Pulley
Secondary Drive	20HP, foot Mounted 1440 RPM
Material of Construction	M S Sheet of Suitable Size along with base frame of ISMC 150 X 75 Channel
Electrical Control	Consisted with fuse less protection, with emergency switch.
Finishing and Painting	Entire machine exposed surface is ground and to be painted with enamel paint of customer desired shade.

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PLASTIC SHREDDER MACHINE



Capacity	Up to 2.5 Ton/day
Motor	20 hp, 1440 rpm
Blades	Hardened ground & edge sharpened blades with clearance adjustment slot.
Material to be crushed	Wrappers, Pouches of eatables, Ploythene Bags, Aluminum Foils etc.
Features	<ul style="list-style-type: none"> ■ Easy Operation ■ Less Maintenance ■ Specially Designed 10 Blades for Low Energy Consumption ■ Heavy Duty Bearing Housing ■ Control Panel with Heavy Duty Contractor to withstand the ampere shooting during work in process

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PLASTIC BAILING MACHINE



Bale Size	425 x 425 x 425 mm
Pressing Mechanism	Hydraulically
Hydraulic Cylinder	900 Stroke
Power Pack	2 HP with Valve Block, Oil Tank & Geared Pump

NEW SAI FIBERS

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