

SHAMROCK DRUM BLENDER & WEIGHT HOPPER

CAPACITY
20 TO 70 TON/M³ PER HOUR

MACHINE SIZE
4,5-5,4-7-9-11,5 OR 14 TON PER BATCH



9 Ton Shamrock Blender

The stainless steel Shamrock drum blender is suitable for powder and granular fertilizers production. The machine processes all raw materials into an excellent blend. When the machine has produced a blend, it can be transported to a bag filling station.

opposite direction. The internal flights will push the material out of the mouth of the mixing drum, where the product is discharged on the transport equipment. The drum blender is installed on a mild steel frame that is constructed from tubing steel.

A transport conveyor can fill the blender drum. This conveyor is installed under a stainless steel weight hopper. This weight hopper is mounted on load cells. The weight of the raw materials that is put into the hopper will be shown on a large display. When the weight hopper is full, the conveyor transports the fertilizer to the blender drum. The blender will blend the different components.

The Shamrock drum blender is driven by an electric motor that is installed on the support frame. Inside the weigh hopper a mild steel screen is placed to catch lumps. The hopper has got an open top for filling with a loader.

The blender sizes are 4,5 - 5,4 - 7 - 9 - 11,5 or 14 ton/m³ per batch with a capacity from 25 to 70 ton/m³ per hour. This product can be adjusted to customer demands.



7 Ton Shamrock Blender

The drum will be filled at the front side. The machine starts turning into the clockwise direction. The blending process is simple: the turning drum has an internal flighting that blends the different raw materials in a folding action. When finished, the machine will stop and turn into the



4,5 ton Shamrock Blender





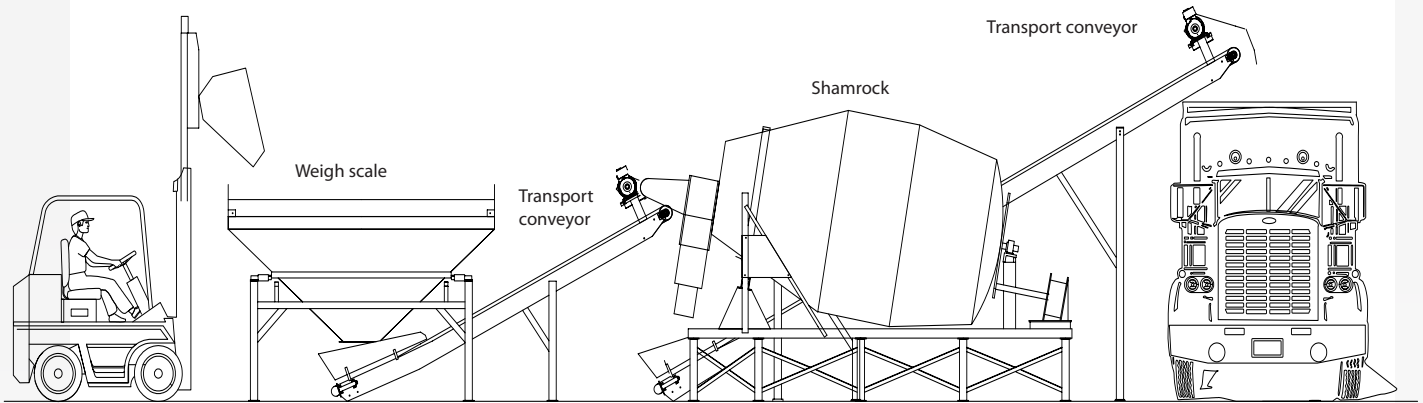
Manufacturer of Blending,

Bagging and Transport equipment

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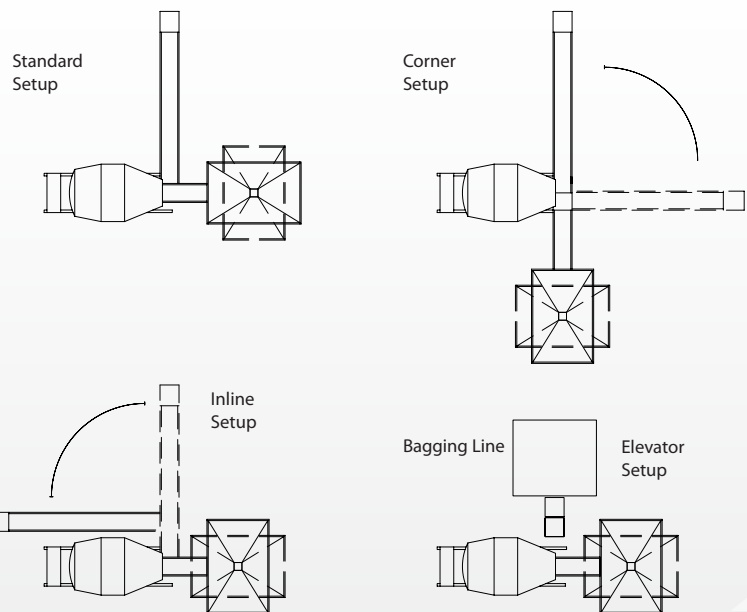
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EXAMPLE SHAMROCK & BULK INSTALLATION



SETUP POSSIBILITIES SHAMROCK

Shamrock	
Drum Construction	3 mm stainless steel
Scale Hopper Length	3700 mm
Scale Hopper Width	2400 mm
Scale Hopper Height	2300 mm
Scale	Digital 4 stainless steel load cells and large follow display
Welding	Welded on both sides
Discharging	Front of machine
Mild Steel preparing	All mild steel is metal shot blasted
Scale frame	100 x 100 x 4 mm Mild Steel
Loadcell cables	Protected in tube
Capacity loadcells	4x 3400= 13600 kg
Paint	Primer Coating + 2 Component Polyamide finishing Coating
Colour	RAL no. 6029 Green
Motor	B3 Feet 1400 RPM, Class F
Motor resistance	IP 56, extra water and dust closed
Drum mix flight	3 mm stainless steel
Drive chain	1 3/4 type Ansi 140
Frame construction	mild tube steel
Boiler plate blender	10 mm mild steel; 100x100x6
Mixing time	2-4 minutes
Unloading capacity	2,5 m ³ /ton per minute
Installing	Flat and stable concrete floor
Norms	Conform European Norms CE no. 89/392 EEG, Machine directive changed by no. 91/368 EE



Specifications	4,5 ton/m ³ Shamrock Blender	5,4 ton/m ³ Shamrock Blender	7 ton/m ³ Shamrock Blender	9 ton/m ³ Shamrock Blender
Blender and hopper	2400 x 6000 x 2400	2400x6500x2400	2400x7000x2400	2400x11000x2400
Weight blender drum	1800 kg	1900 kg	2200 kg	2700 kg
Gearbox	Hub City 920	Hub City 920	Hub City 950	Hub City 950
Amperage	25 amp.	30 amp.	30 amp.	50 amp.
Blending capacity	23-35 metric ton per hour	30-35 metric ton per hour	40-50 metric ton per hour	50-60 metric ton per hour
Blender volume	4,5 m ³	5,5 m ³	7 m ³	9 m ³
Blending honnage per charge	4.5 ton metric	5,5 ton metric	7 ton metric	9 ton metric
Power motor	11 kW/400 Volt 50 Herz	15 kW/ 400 Volt 50 Herz	15 kW/400 Volt 50 Herz	22 kW/400 Volt 50 Herz
Mixing Cycle	6x per hour	6x per hour	6x per hour	6x per hour

