

1. Introduction

Jumbo bag filling machine is a bagging machine to filling powdered material and granular material in to big jumbo bags like 500kg/bag, one ton per bag, 1.5t ton per bag, which is widely used for the packing solution of wood pellets, feed pellets, fertilizer, industrial and chemical granular or powdered material or grains, cereals. Due to it's huge usage, it can be used in many different industries such as: grain and oil, food, feed pellet making, wood pellet making, fertilizer pellet making, medical, chemical, cement, glass, friction material, refractory material, steel, building material, environmental protection., etc

A jumbo bag filling machine consist hopper, weighing system, bag clamping system, bag moving conveyors, electric panel with PLC control system, machine frame and compressed air system.

Our standard machine equipped with a hopper with volume 1 m³ , we can make hopper with different volume according to your special requirement or usage.

Usually people send raw material to the hopper by bucket elevator, belt conveyor, screw conveyor or from a big storage tank directly.

The electric panel is main control system for this jumbo bag filling machine, which apply PLC system to control the weighing whole system. On the electric panel have touch screen, from where user can set the filling target weight, check number of bags filled and control the complete system.

Bag clamping device is to hold the jumbo bag and let raw material in the bag have better density, this device is working under compressed air, so a air compressor is necessary for this machine.

After raw material go to feeding hopper, the weighing sensor is controlled by electric panel to weighing the material and get target weight value with high accuracy, the bag clamp system can automatic release the ton bag after the material fill into bag, the conveyor under the machine can move the bag away.

The weighing system apply fast speed add, medium speed add and slow speed add, by three times feeding to get the target weighing value, thus increase the weighing accuracy.

Features of jumbo bag filling machine

Suitable for different kind of granular and powder material, widely used in different industries

Applied three time feeding to get target weighing value, weighing material by sensor to improve packing precision

Worker manually put bag to bag clamping device, automatic clamping bag before filling and automatic release bag after filling

During filling bags, it can automatically shaking jumbo bag to let the material evenly filled in wherever of the bag and improve packing density

At feeding place equipped with cleaning door to clean powder material, easy maintenance

Equipped two conveyors under packaging machine, to move the packed bags away

The hopper and material on machine where touch raw material is made of stainless steel SUS304, thus it is easy to clean and anti corrosion if the raw material have corrosivity, the frame is made of carbon steel Q235

According to packing material factors, we can have dust collector for your choice if packing powdered material

Use famous brand weighing controller and weighing sensor (Suncells/Mettler Toledo), PLC control, easy operate and maintenance

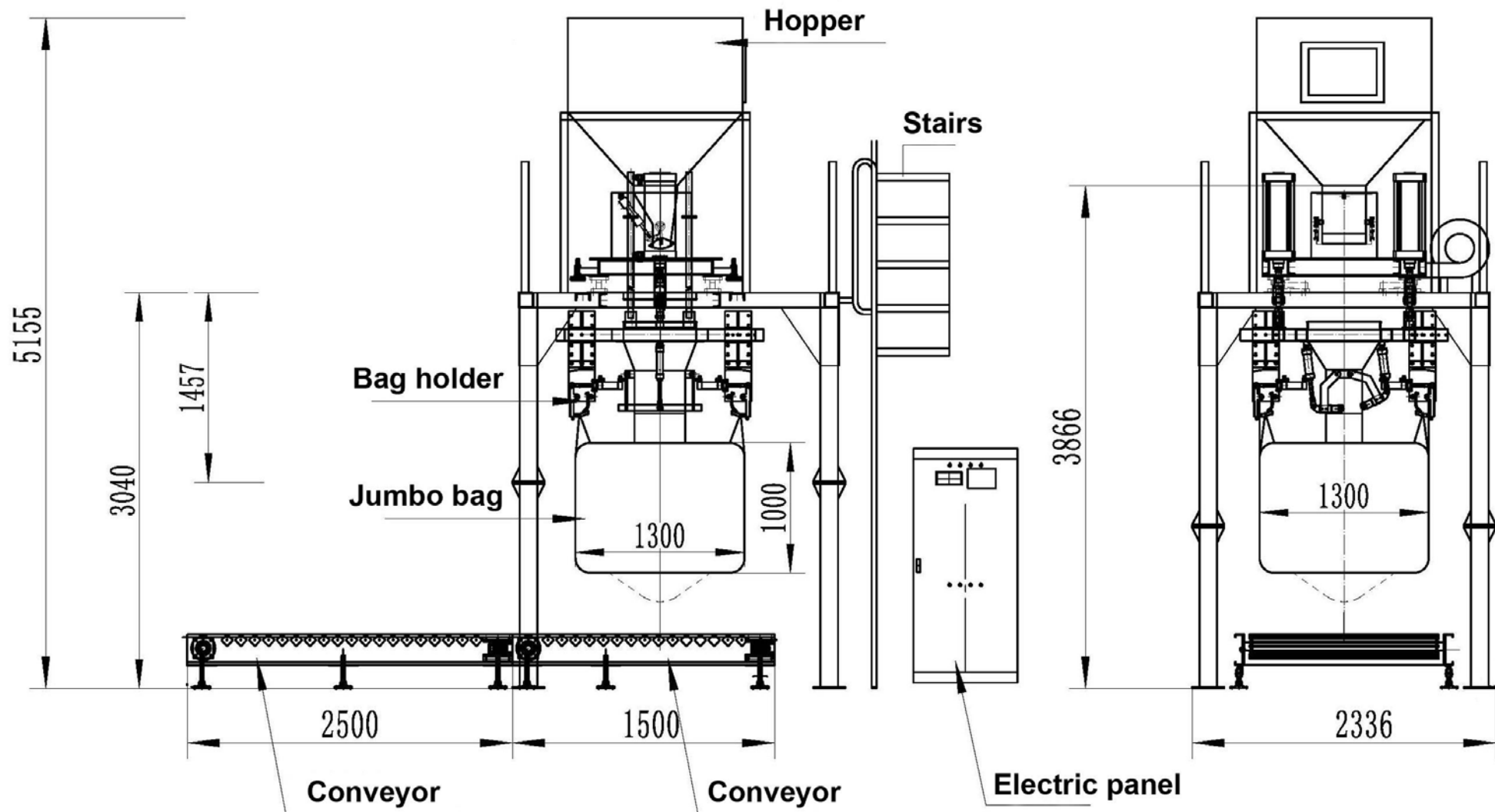
Use famous brand air cylinder (AirTAC/SMC brand), frequency converter use Delta brand, AD module Cirrus logic brand, CPU STR brand

2. Technical data and quotation

Model	JT1000
Weighting range	500-2000Kg
Weighting method	Feeding by gravity, three times feeding, sensor weighing raw material
Tolerance	± 0.2%
Filling speed	10-20 bag/h, according to raw material
Sealing type	Manual

Voltage	AC380V/220V, 50Hz or customized
Feeding motor power	1.5 Kw
Compressed air pressure	0.6 Mpa
Compressed air consumption	0.08m ³ /min
Bag size	1000x1000mm to 1500x1500mm or client self decide
Bags inlet size	Φ>400mm
Gallus of bags	Four gallus 400mm length
Working temperature	-20℃ to 40℃
Working relative humidity	<90% RH
Main body dimension	2000x2000x5155mm
Bag moving type	By conveyors
Conveyor length	1.5 meter +2.5 meter
Conveyor motor power	1.5+2.2Kw
Electric panel	Include, equipped with PLC and touch screen
Raw material	Machine main body is made of carbon steel, the hopper and the part touch raw material is made of stainless steel SUS304
Hopper volume	1 m ³
Installation dimension	5500x3000x5200mm
Total weight	1150kg
Shipping	By one 20 feet container

3. Drawing of jumbo bag filling machine





Contact: Vincent +86 18639007627 (Mobile/WhatsApp/Wechat)



