

Paint Filling Machine : Full Automatic Filling Equipment



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1. Adopt automatic setting barrel equipment; it has well the delivery speed. The equipment adopted an automatic producing mode, users just need to put the barrel in to the right position and the professional manipulator will take out the barrel and send it to filling equipment and set the barrel on the right position. (Refers to picture 1)

2. Double-head filling, mongline-filling

Automatic filling machine equipped with automatic measurement, and it will filling paint into the barrel in accordance with pre-determined quantity. It has fast processing course with good precision, and no pollution. The filled barrels will be sent to the next program by railway. (Refers to picture 2)

3. Automatic Settling cap, shelters and sealing individually.

When the filled barrel is sent to Cap-Settling equipment, the Cap settling equipment will put a cap on the top of barrel by automatic manipulator. And then, the automatic sealing machine will press the cap accurately. The whole processing is automatically finished with high precision. (Refers to picture 3)

4, Palletizing into tray automatically

After packing the filled paint barrels, it will be sent to the automatic palletizing machine. And the manipulator will palletize the barrels into trays automatically. After the tray is filled with paint-barrels, the manipulator will transport it to the destination. (Refers to picture 4)

This technology was came out to meet the requirement of market, it saves labor costs more than 80% and reduces the manmade waste and environmental pollution and upgrade the production capacity. The equipment

adopted very advanced and unique technology, and it imported into China from Europe, and this equipment was just introduced to Famous Company in China. (Refers to picture 6)

The first full automatic filling equipment was shown at 2008 “Asiacoat” International Coatings exhibition in China, and this machine introduced advanced technology with excellent filling capacity. The filling mode of this machine is different from traditional filling mode:

Almost enterprises (paint, coating filling equipments manufacture) adopted manual filling or semi-automatic filling mode in China. These filling mode have many disadvantages such as low speed, and need big labor force, low precision and discommodious to management. Therefore, we need much more advanced full automatic filling equipment urgently in the Chinese market.

No.	System	Equipment	Remark	Quantity
1	Barrel setting	Automatic barrel setting equipment	Barrel setting speed :300-700 barrels / hour, include stainless steel roller conveyor line and automatic barrel setting device	1 set
2	Filling	Double head automatic filling equipment	Quantitative weighing type, Weighing scope :6-30 Kg, filling precision: $\pm 0.2\%$, filling 20 Kg speed :300-700 barrels / hour, Material: Q235 + SUS304; Features: high precision, high speed and low rate errors	1 set
3	Top setting	Automatic top setting equipment	Equipped with a transducer, enforcing system and pipelines. Setting speed :300-700 barrels / hour	1 set
4	Press	Automatic top pressing equipment	Equipped with a transducer, orientation equipment, pressing system and pipelines. Press speed :300-700 barrels / hour	1 set
5	Barrel stacking	Automatic barrel stacking equipment	Equipped with a transducer, orientation equipment, stocking system, finished products transferring system, There are two kinds of specification: 1. 12barrels/flour 2. 16barrels/flour Press speed :300-700 barrels / hour	1 set
6	Transferring tray	Automatic tray-transferring equipment	Equipped with a gearing, transferring system and controlling system. Transferring speed: less than 30second at one time	1 set

7	Electrical system	<p>Filling Machine equipped with a overload-control system, error transfer control system and misuse of filling automatic control system;</p> <p>Protection system: When the barrels get pressure, the machine will turn off automatically, with error alarm. The machine can not turn on until the quantifying program was fixed, and if the filling machine is overloaded, it will stop working automatically. The electrical controlling appliances adopted advanced technology an it has good quality. Such as high-precision monitors weight, and quantity controller, display systems, etc.</p>	1 set
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Technical standards and requirements:

1. Workflow: Motor reducer drive, stainless steel roller transportation --- Automatic barrels separating --- Setting barrels --- Automatic positioning --- Filling --- Filling valve---Filling to the target weight ---Send to the next progressing --- Automatic positioning --- Top setting --- Sealing --- Arranging barrels --- Put it on the tray --- Pick up the barrels --- Stocking --- Finished product
2. Performance: Filling: 6 --- 30Kg
 Filling precision: $\pm 0.2\%$
 Filling speed: 300-700 barrels / hour (Filling 20 Kg / barrel)
 Quantity-fixing: Double-filling (double-headed mutually independent), adopt WIM measures mode, digital adjustment control panel.
 Voltage: AC380V, 50HZ
 Power Consumption: 7KW
 Air source: 0.1m³/min pressure 0.4-0.6 Mp
3. System consists: barrel setting system, main equipment operating system, automatic electrical system, overload protection system, barrels passing in and out system, weighing system, automatic filling materials system, buffer, high-precision weight display, quantity controller, display system, delivery system, stainless steel frame structure, automatic positioning system, automatic top setting and covering system, automatic tray supplying system, stacking system, automatic transmission system. Total 18 units.