

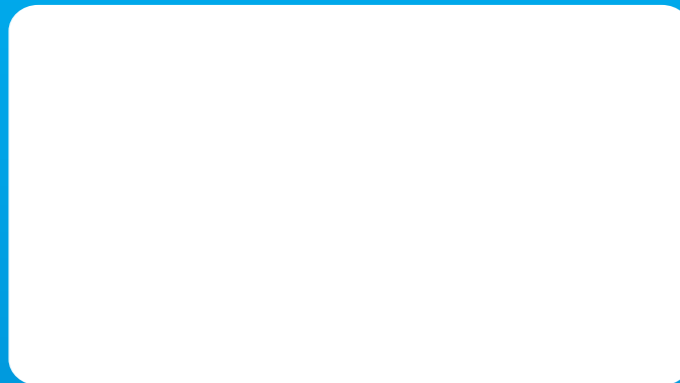


AUTOMATIC FILM COATER

FSC-120 COATER



Agent / Representative Office



Schlick Technology
Anti-Bearding-Cap (ABC)



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TECHNICAL FEATURES

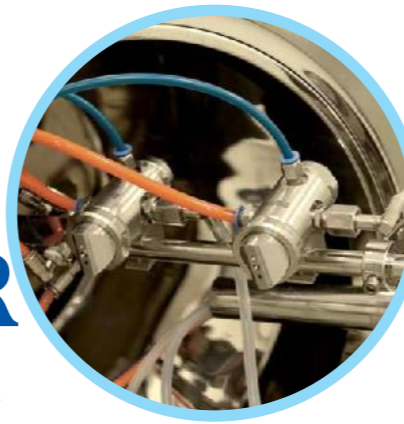
- Working capacity: 120 kg/ batch
- Power supply: 380V, 3 phases, 50 Hz

A. MAIN MACHINE

1. Dimension:
(H)2000 x (W) 1750 X (D) 1350 mm
2. Drum dimension: diameter of 1100 mm
3. Machine weight: approx. 2000 kgs
4. Drum materials: SS 304, perforated Ø4mm, 2mm thick, internal surface is mirror-finish, clean and easy for hygiene cleaning.
5. Frame: V63, 5mm thick, channel type.
6. Reinforcing material: SS 41, 8mm thick.
7. Drum cover: SS304, 2 cover layers with middle thermal insulation layer to avoid loss of cold air in machine room and assure safety for user.
8. Side doors: SS304, 2 cover layers with middle thermal insulation layer; door joint made of heat-resistant silicon, easy to assemble or dismantle for cleaning.
9. Spray nozzle holding shaft: SS 304.
10. Output door for discharging tablets: SS304, 18mm thick, door joint made of heat-resistant silicon, easy to assemble or dismantle for cleaning.
11. Main door: Ss304.
12. Sight glass window: made of heat-resistant acrylic sheet, 8mm thick.
13. Reversed-rotary impellers and their holding shaft: SS 316L.
14. Gear reducer motor of drum: capacity 2.2 kw, 380V, 3 phases, 50 Hz.
15. Drum speed: 1-20 rpm controlled by ABB inverter.

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16. Spray nozzle: (Schlick - Germany): quantity: 02 units
17. Peristaltic pump (Watson Marlow- England): 530S: 1 unit.
18. Silicon band: Watson Marlow-England.
19. Solution tank: with stirring motor and wheel, agitator impeller made of SS 316L, volume of 100 liters: 1 unit.
20. Solution stirring motor: air rotary motor with dust- resistant seal (explosion- proof): 1 unit (Taiyo - Japan).
21. Lamp for drum: 1 item - Korea.
22. Blower pipe mouth: SS 304, tightly attached to drum.
23. Suction pipe mouth: SS 304, tightly attached to drum, sliding type for easy cleaning. No need dismantle out of the drum.
24. Blower pipe and suction pipe on the top of main machine: installed with air flow regulator valve automatically controlled on touch screen. Before turning off, butterfly valves should be closed to prevent humidity.
25. Ball bearing: all from KOYO. Bearings of drum have a dust resistance gasket. Two bearings are installed in the bottom of the drum.
26. Aesthetic design and explosion-proof safety.

B. CONTROL SYSTEM

- B.1 Electricity system.
1. Control panel: 10.4 inch touch screen (Japan).
 2. Program controller: by PLC Siemens (Germany) or Mitsubishi (Japan).
 3. RTD module connected with PLC.
 - Tablet temperature indicator.
 - Outlet air temperature indicator.
 4. Temperature gauge: OMRON, to control temperature of inlet air.
 5. All parameters of temperature and drum speed are displayed on touch screen.
 6. Thermal sensor: made in Korea.
 7. Inlet air temperature for drying tablets reaches 80°C (may adjust up to 100°C).
 8. Pneumatic gauge and pneumatic regulator valve: Festo - Germany.

9. Power supply switch, speed control button: made in Italy.
10. Electricity system: safe design, with phase-loss protection circuit, with motor protection system, resistor (interrupting heat supply as air loss), error of installed temperature and actual temperature not exceeding 1°C.

B.2. PNEUMATIC SYSTEM:

1. Pneumatic system: Festo - Germany including:
 - Solenoid valve: 4 items
 - Pressure regulator valve: 2 items
 - Pressure gauge: 2 items
 - Switch of spray nozzle: 1 item
2. Overall compressed air filter: Festo, Germany (required compressed air flow: 125 m3/h).
3. Mini filter of compressed air: Festo, Germany.
 - Drum's stirring motor speed controller: 1 unit

C. AIR PROCESSING & HEAT SUPPLY SYSTEM

Inlet air processing system meets WHO - GMP standards, filters can dismantle or assemble easily for replacement or cleaning.

1. Materials: stainless steel.
2. Dimension: L 2700 x W 1060 x H 1350 mm
3. Heat supply type: heat resistor.
4. Maximum resistor capacity: 36 kw
5. Blower fan: flow 40m³/min, ABB motor: 2.2 kw, 380 V, 3 phases, 50 Hz.
6. Air filter via 4 levels:
Insect prevention filter, pre-filter H4, bag filter F8, Hepa EU 13 filter installed behind resistor, heat-resistant of 250°C.
7. Differential pressure gauge to check condition of Hepa filter.

D. DUST COLLECTOR SYSTEM

1. Dimension: L 1100 x W 1100 x H 2500 mm
2. Dust collection type: dry
3. Turbo suction fan: Flow 60 m3/min, ABB motor: 11 kw, 380 V, 3 phase, 50 Hz.
4. Outlet air filter: Fabric filter with 7 bags.
5. Automatic dust extracting set: pneumatic cylinder.
6. Dust exhaust valve: close and open by compressed air.
7. Optional: Exhaust air treatment via Filter F8, Hepa.

E. DUCT SYSTEM

- Materials: SS 304.
- Diameter of inlet air and outlet air duct: 250 mm.

F. CLEANING SYSTEM: manual

- Force pump: 3/4HP, 220V (Taiwan)
- Spray nozzles

G. SAFETY SYSTEM

The whole machine stops and displays error in following cases:

1. Loss of compressed air or the compressed air is not enough pressured.
2. Phase loss, over-current, over-heat.
3. Loss of blowing air, resistor interrupts.
4. Press Emergency button.
5. In case of sudden power outage, drum motor stops; solution peristaltic pump stops; spray nozzle stops;
7. Turn off spray nozzle - peristaltic pump stops.
8. Drum stops - spray gun stops.

H. AUTOMATIC TABLETS DISCHARGING:

- Press "Tablet Discharge" button on touch screen, the drum automatically rotates in the reserved direction to discharge tablets.

K. OPTIONAL

- Automatic sugar coating system.



Built-in wall installation style