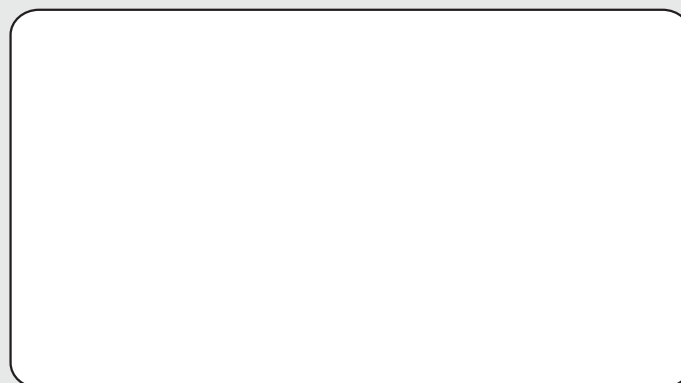




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AUTOMATIC FILM COATER

FSC-5 COATER



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AUTOMATIC FILM COATER

FSC-5 COATER

TECHNICAL FEATURES:

- Coating capacity: 5 kg/ batch
- Total electric capacity: 9kw
- Power supply: 380 V, 3 phase. 50 Hz

A. MAIN MACHINE

1. Drum dimension: diameter of 480 mm
2. Mouth of drum's dimension: diameter of 200 mm
3. Machine weight: approx. 500 kgs
4. Drum materials: SS 316L.
5. Frame: channel type.
6. Machine cover: SS 304.
7. Spray gun holding shaft: SS 304.
8. Machine door: SS 304.
9. Sight glass window: made of heat-resistant acrylic sheet, 8mm thick.
10. Reversed-rotary impellers and their holding shaft: SS 316L.
11. Air flow valve: 2 pcs
12. Drum motor capacity: 0.37 kw, 380V, 3 phases, 50 Hz.
13. Drum speed: 1-30 rpm controlled by ABB inverter
14. Peristaltic pump (Watson Marlow-England): 1 item.
15. Spray nozzle: Walther, Germany: 1 item
16. Silicon band: England
17. Solution tank: SS 316L, volume of 10 liters, with stirring motor operated by compressed air and solution exhaust valve.
18. Pneumatic system: Festo - Germany
19. Compressed air filter: FESTO - Germany
20. Lighting lamp for drum: 1 item.

B. CONTROL SYSTEM

- 5.7 inch touch screen, Japan (Siemens or Easyview): 1 item.
- PLC S7-200 Siemens - Germany
- Drying temperature control gauge, core tablet temperature indicator, outlet air temperature indicator displayed on touch screen.

- Emergency button: 1 unit
- Power supply switch, SSR, relay, 24 VDC power source: Italy.
- Phase protection set, temperature control gauge: OMRON - Japan
- ABB inverter
- Indicator of negative pressure inside drum on touch screen.
- Indicator of the number of drum rotation on touch screen.
- Mechanical valve to adjust inlet and outlet air flow of drum.

C. HEAT SUPPLY SYSTEM

1. Heat supply type: heat resistor with heat emission wings made of SS 304
2. Maximum resistor capacity: 6 kw, made of SS 304
3. Blower fan: 1 unit
4. Motor: 0.75 kw/ 380V, 3 phase, 50 Hz
5. Air intake from clean area.
6. Filter including: fine mesh, filter G4.



D. DUST COLLECTOR

1. Dust collection type: dry by cyclone
2. Suction fan: 1 unit
3. Motor capacity: 1.5 kw, 3 phases, 50 Hz
4. Exhaust air via bag filter: 2 units.



E. SAFETY SYSTEM

The whole machine stops and errors are displayed on touch screen in the following cases:

1. Press emergency button
2. Temperature of outlet air is too low: automatic adjustment
3. In automatic mode:
 - Drum stops, spray nozzle and peristaltic pump also stop.
 - Spray nozzle stops, peristaltic pump also stops.

