

## ***BG-400D Automatic Pharmaceutical Film Coating Machine for Tablet***



### **Overview**

1. The machine can finish organic film coating, water soluble film coating, slow releasing coating, dripping pill coating and sugar coating to tablets, pills, and candies.
2. Imported PLC, HMI, and touch screen are applied to meet requirements of variable pharmacy technology with advantages of stable operation and performance. They also comply with the standards of GMP.
3. Under the force of linear deflector and mixer, tablets reverse fluently, exchange frequently and will not be impacted after falling down from a swell so that tablets keep intact.
4. Peristaltic pump applies continuous variable frequency conversion. The speed can be adjusted within a range of 0~280 r/min to eliminate defects that resistive speed regulation and voltage speed regulation are not stable, potentiometer is breakable easily, and that rotating speed cannot reach zero because of mechanical speed regulation. Lastly, flame-proof and explosion-proof motor is equipped to fully meet the explosion-proof requirements with stable atomization performance. Spraying system can prevent the spray gun from blockage and can be cleaned conveniently without any dead end.
5. The spray gun acquires advantages of evenly atomization and large spray surface. Besides, the adjustable sprayer will not be influenced by liquid volume.
6. The mixer combines mechanism and electricity in one to avoid chaotic layout of wires and air tubes and to be cleaned more easily.
7. It is newly designed that the negative pressure inside the film coating pan can be measured and adjusted automatically to improve the coating quality but save energy.
8. Hot air blower and ventilator are equipped with shockproof and silencing equipment to lower the operation noise of the complete machine and to not harm health of operator.
9. Temperature value is displayed and temperature can be controlled.
10. The function of cleaning guns to avoid blockage is acquired.

## Technical Parameters

| Model  | BG-400D high efficiency film coating machine   |   |
|--|--|---|
| Motor  | Maximum medicine loading capacity  | 400Kg   |
|  | Roller rotating speed  | 2-13r/min   |
|  | Roller diameter  | 1600mm  |
|  | Mainframe power  | 3KW   |
|  | Damper valve body motor power  | 90W   |
|  | Compressed air   | 1.5m <sup>3</sup> /m Pressure ≥0.5MPa                 |
|  | Mainframe dimensions   | 2060*1680*2590mm                                      |
|  | Imported spray gun with adjustable spraying shape, flow, distance and angle.                       |   |
|  | The machine can be operated through HMI and controlled through PLC.                                |   |
| High efficiency filtering shock-proof hot air blower | Filtering hot air blower power   | 3KW   |
|  | Air intake   | 2664/5268m <sup>3</sup> /h                            |
|  | Filtering accuracy is 5μm Primary, intermediate, high efficiency filtering 100,000 class clean air |   |
|  | The external surface of hot air blower is made from matt stainless steel                           |   |
|  | Hot temperature  | Adjustable within the room temperature (>0°C) to 80°C |
|  | Total steam consumption  | 130Kg/h Pressure: ≥0.4MPa                             |
|  | Dimensions   | 910*2500*1100mm                                       |
| Dust removal, shock-proof and silencing ventilator   | Dust removal ventilator motor power  | 7.5KW   |
|  | Dust removal vibrating motor power   | 0.25KW  |
|  | Air outtake  | 10000m <sup>3</sup> /h                                |
|  | The external surface of ventilator is made from matt stainless steel                               |   |
|  | Dimensions   | 1050*1050*2300  |