



## ***BG-80 High Efficient Film/Sugar Coating Machine***



BG-80 high-efficiency coating machine is mainly used in pharmaceutical and food industries. It is a high-efficiency, energy saving, safe and clean equipment for coating tablets, pills and candies with organic film, water soluble film, slow and controlled release film and sugar film etc., which conforms to the requirement of GMP.

### **Working principle**

The tablet cores make continuous complicated orbital motion within the closed rotating drum under the action of a streamline guide plate. During the motion, coating medium automatically sprays according to the technological process and rational technological parameters, at the same time hot air is supplied under a negative pressure. The hot air penetrates through the tablet core layers and is discharged from the bottom of the layers, so that the coating medium sprayed on the surface of tablet cores will dry rapidly and evenly, thus forming a solid and smooth surface film.

### **Features**

1. The control system consists of PLC and HMI. The design is reasonable and programming is flexible,  
Which are adapt to the different needs of pharmaceutical technology, thus featuring reliable work, stable performance and conforming to the requirement of GMP.
2. Under the action of the agitator of streamline guide plate, the tablet cores are tumbling smoothly and exchanging frequently, thus eliminating the phenomenon of tablet cores to falling from a high place and the collide, so that solve the problems of broken pieces and chipped edge, and also improve the rate of finished products. The narrow surface of the guide plate eliminates the adhesion of coating material on its surface, thus saving the coating material and improving the quality of medicine.

3. The peristaltic pump with constant pressure and inverter eliminates the need for a return pipe. The turning radius of the drum varies along with the pressure. The slurry output and the quantity of slurry sprayed are balanced automatically, thereby stabilizing the effect of atomization, simplifying the spray system, preventing the spray gun from plugging-up, and saving the coating material, moreover, the cleaning is simple without dead corner.
4. The spray gun is specially designed for film coating machine with even atomization and large coverage of spraying. The universal adjustable spray head makes the cleaning mechanism of spray gun unaffected by charge quantity, so that film coating can proceed continuously, thus reducing the filmcoating time and saving coating material.