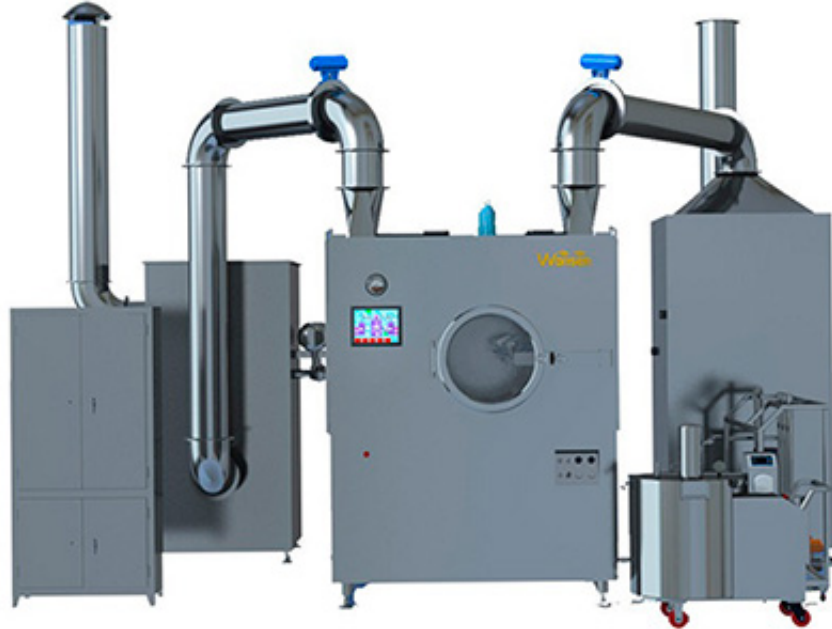


(BGB-600C) Pharmaceutical Automatic Tablet Coating Machine



The BGB-C coating machine is mainly used in Pharmaceutical and food industries. Meeting GMP requirements, it is a kind of mechanically and electrically integrated coating equipment with high efficiency, energy conservation, good safety and good cleanliness for organic film coating, water soluble coating, dripping pill coating, sugar coating, chocolate and candy coating of tablets, pills and candies.

Work principle

Under the rotation action of the coating roller, the tablets or pills to be coated make continuous movement in the roller. The peristaltic pump conveys the coating media to the spray gun for spraying them on the surfaces of the tablets or pills to be coated. Under negative pressure, the inlet air handling unit supplies clean hot air to the tablet bed according to the set procedures and process parameters to dry the tablets or pills. The hot air is discharged from the outlet air handling unit at the bottom of the layer of tablets or pills, so that the coating media sprayed on the tablets or pills rapidly form solid, dense, flat and smooth film to complete the coating operation.

Features

1. The control system consisting of PLC and HMI is designed reasonably with flexible programming, meeting various pharmaceutical process requirements with reliable work and stable performance and conforming to GMP requirements.
2. Under the action of the streamlined diversion plate mixer, the tablets or pills turn smoothly and exchange frequently, so that the occurrence of the tablets or pills dropping from high positions and colliding is eliminated, broken edges are avoided and the rate of finished products is enhanced. The upper surface of the diversion plate is narrow, avoiding the adhesion of dressing onto its surface, saving the dressing and improving medicine quality.

3. The return flow pipe is canceled in the constant pressure variable peristaltic pump. The rotation radius of the roller changes with the change of pressure, so that the output paste and paste volume are automatically balanced, the atomizing effect is stabilized, the spray system is optimized, the blocking of the spray gun is avoided, the dressing is saved. In addition, it is easy to clean without any dead corners.

4. It adopts the new type spray gun with even atomizing, large spraying area, adjustable direction. The nozzle is not affected by the loading volume, the device for cleaning the blocked spray gun can ensure continuous coating, shorten coating time and save coating dressing.

5. Quantitative display and control of technical parameters are realized. SOP operation can be compiled to guide the operation by using quantitative indicators and ensure the consistency of quality of each batch of medicines, fully meeting GMP requirements

Technical Parameter

Item Model	BGB-75C	BGB-150C	BGB-250C	BGB-350C	BGB-600C
Product Capacity (kg)	75	150	250	350	600
Motor Power(KW)	1.5	2.2	3	4	5.5
Rotation speed	2~20	2~15	2~15	2~15	2~6
Hot air fan power(KW)	1.1	1.1	2.2	2.2	5.5
Exhaust fan power(KW)	3	5.5	7.5	15	15
Peristaltic pump power(KW)	0.04(BT100)	0.04(BT300)	0.04(BT300)	0.05(BT300)	0.05(BT600)
Mixing barrel power(KW)	2	4	6	9	12
Electric heating power(KW)	21	29.4	39	49	56
Steam consumption(Kg/h)	95	95	225	225	252
Air consumption(m ³ /min)	1.18	1.45	2.03	2.03	2.57
Outline dimensions(mm)	1200x980x1853	1570x1250x2351	1632X1535X2404	2050 x 1670 x 2570	2050 x 2064 x 2680