



## *BGW-C Series High-efficiency Solid Pan Coater*



### **Usage:**

The BGW –C Series High-efficiency Solid Pan Coater is a high-efficiency, energy-saving, safe, clean, computer controlled and mechatronics equipment which is used for coating sugar, organic film, water soluble film, slow and controlled release film on traditional Chinese and Western tablets and pills (including micro-pills, small pills, water-bindered pills, drip pills and granulated pills) and it also conforms to the requirement of GMP. It is a high-tech product first successfully developed in China by this factory.

### **Working principle:**

The tablet cores(micro-pills, small pills or plain tablets) make continuous and complicated orbital motion within a closed rotating drum under the action of a streamline guide plate. Controlled by computer and according to the optimum technological parameters, they are automatically sprayed with coating medium while hot air under a negative pressure is led in from one side of an air distributing pipe at the center of the drum, then the clean hot air penetrates through the tablet core layers and is discharged after being collected to the other side of the air distributing pipe by a pore duckbill-shaped (or oval) air paddle embedded in the tablet core layers, so that the coating medium sprayed on the surface of tablet cores will dry rapidly and evenly, thereby forming a layer of solid, compact, neat and smooth surface film.

## Features:

- It has all the features of BGB-C Series high-efficiency coating machine.
- The coating drum is with a pore less structure. Above $\Phi$ 0.6mm tablet coating, versatile in use.
- It has a specially structured air distributing system. The air intake and exhaust pipes can be interchanged according to the needs.
- Different materials are equipped with different air paddles. The paddles can be embedded into or taken off from the material according to technology needs.
- It has a special cleaning and discharge unit

## Main technical parameters:

Model	BGW-350C	BGW-150C	BGW-75C	BGW-10C
Production capacity (kg/run)	350	150	75	10
Speed-adjusting range of coating drum(rpm)	2-11	3-15	4-19	6-30
Motor power of main machine(kW)	4.0	2.2	1.5	0.55
Regulating rang of hot air Temperature( $^{\circ}$ C )	Normal temperature $\sim$ 80 $^{\circ}$ C			
Filtration accuracy of hot air ( $\mu$ m)	0.5 $\mu$ m (100000 grade)			
Motor power of hot air machine(kW)	2.2	1.1	1.1	0.75
Motor power of exhaust machine(kW)	7.5	5.5	3	2.2
Motor power of vibration dust-cleaning device(kW)	0.37	0.37	0.37	0.37
Motor power of peristalsis pump (kW)	0.18	0.18	0.18	0.18
Overall dimension of main machine (mm)	1740x	1450x	1250x	1000x
	2500x	2200x	1900x	1500x
	2270	2100	1900	1600
Weight of main machine (kg)	2000	1100	700	560