



## *BGX Series Coater – Interchangeable Coating Pan*



The BGX series (Interchangeable Coating Pan) coater has the characteristics of interchangeable coating pan function, easy and safe operation, stable production process, high production efficiency, low coating material and energy consumption, etc. The equipment is made of high-quality stainless steel, with all corner arc transitions, no dead corners, easy cleaning, and exquisite polishing. It can fully comply with the "GMP" requirements.

Under the action of agitator, the tablet core to be coated continuously moves in the hermetically sealed Coating Pan. The coating medium is evenly sprayed on the surface of tablet core through peristaltic pump and spray device by setting technological processes and parameters set on PLC. Meanwhile, with Coating Pan under negative pressure, 100,000 grade purified hot air is input into the pan from the hot air cabinet, to dry the tablet bed with coated medium, and is discharged from the air outlet at the bottom of the pan. The whole coating process is completed based on the set procedures of PLC. So that the coating film can be dried quickly and evenly. Forming a solid, smooth and dense flat coating film on the surface of tablet core by repeating such processes, and the utilization rate of the coating powder can be as high as 95%.

### **Sugar Coating**

Operate manually (or by diaphragm pump) to make the syrup mixture evenly sprayed on the surface of tablet core which are rotated with the Coating Pan (rotates clockwise). At the same time, hot air is applied to the pan to quickly remove the surface moisture of the tablet, and achieve the polishing effect.

## Features

### 1. Automation

- Automatic feed in and out
- Automatic adjustment of spray gun injection angle
- On-line laser ranging

### 2. High airtight

- The whole welding process of the main frame has no risk of leakage
- All operating doors are airbag sealed, leak alarm automatically and inflate

### 3. CIP

- The whole frame has no splicing and gaps
- The roller adopts a new technology — cantilever structure, no front support
- Spray ball layout is reasonable, no dead angle

### 4. Industrial design

The appearance of the host is ergonomic

### 5. Maintenance free

Modular maintenance-free

## Parameters

Items	Parameters				
	BGX20	BGX75	BGX150	BGX250	BGX350
Max. Production Capacity	20 L/Drum	75 L/Drum	150 L/Drum	250 L/Drum	350 L/Drum
Coating Drum Speed	2~30 rpm	2~20 rpm	2~15 rpm	2~12 rpm	2~12 rpm
Main Machine Power	0.75 kW	1.5 kW	2.2 kW	3 kW	4 kW
Inlet air volume	1000 m <sup>3</sup> /h	2000 m <sup>3</sup> /h	3000 m <sup>3</sup> /h	4500 m <sup>3</sup> /h	4500 m <sup>3</sup> /h
Inlet Fan Power	1.1 kW	1.5 kW	2.2 kW	3 kW	3 kW
Exhaust Fan Power	2.2 kW	4 kW	5.5 kW	7.5 kW	7.5 kW
Main Machine Weight	500 kg	1000 kg	1500 kg	2000 kg	2500 kg
Hot Air Cabinet Weight	650 kg	800 kg	850 kg	1200 kg	1200 kg
Exhaust Cabinet Weight	550 kg	650 kg	700 kg	900 kg	900 kg