



Integral high-efficiency film coating machine BG-20H



Integral High Efficiency Coating Machine (BG-20H) combines the main machine with the hot air cabinet, air exhaust cabinet, peristaltic pump, printer and control system. It can be widely used for coating various tablets, pills and sweets with organic film, water-soluble film and sugar film etc. In such fields as of pharmaceutical, food and biological products etc. And it has such characteristics as good appearance in design, high efficiency, low energy consumption and small floor area, etc.

During the film coating process in the major machine, it shows such feature dust fly off, no syrup splash, operation condition improvement, little cross contamination to tablets, simple coating process, coating time shortening as well as high production efficiency etc. There adopted a new & mini-type computer and a touch screen on which temperature and negative pressure control system are displayed with such functions programmability, automatic adjusting such a majority of process parameters flow, negative pressure, intake, exhaust, temperature, rotational velocity the compile of SOP digitizing, making no difference between various batches products with the same technical parameter. It adds data storage and printing functions with more than 14 program film coating, which are modified at any time in the run. The printing device finished as to the customers' requirement so that the process parameters process flow of each batch of production can be accurately recorded and domestic advanced level. The users may write batch numbers and the codes products on their needs.

Feature:

1. Negative pressure control function.
2. Speed control system of hot air cabinet.
3. Temperature display and control system.
4. Adjustment and control of spray gun coverage.

5. Spray gun and atomization program control function.
6. Spray gun cleaning and no blocking up.
7. Constant printing function.
8. Humidity display of air intake.
9. Temperature display of Tablets bed.
- 10.5KG, 10KG, 20KG replaceable coating pan, suitable for trial-producing of small quantities of drugs or exploring of coating process.
11. It combines the main machine with the hot air cabinet, air exhaust cabinet, peristaltic pump, printer and control system, it is a special-purpose experimental equipment which is space-saving, easy-operating and high-efficient.

Basic working principle:

The tablets in drum make complicated and constant track movement with easy and smooth turn frequent exchanging in a clean and closed drum of the film coating machine. The coating mixed round in the mixing drum are sprayed on tablets through the spray gun at the Inlet un action of the peristaltic pump. Meanwhile under the action of air exhaust and negative pressure 100, 000 clean hot air supplied by the air exhaust cabinet is exhausted from the fan at the sieve meshes through tablets. So these coating mediums on the surface of tablets get dry forming a coat of firm, fine and smooth film. The whole process is finished under the control of PLC.

Main Technical Parameter

Item/Model		BG-20H
Load Capacity		5KG, 10KG, 20KG
Rotation Speed of Coating Pan		1~25RPM
Power of Main Machine		0.75Kw
Diameter of Coating Pan		Φ680mm
Motor of Air Exhaust Cabinet		2.2Kw
Air Exhaust Flow		3517M ³ /h
Motor Power of Hot Air Cabinet		0.75Kw
Hot Air Flow		1200M ³ /h
Weight of Main Machine		850Kg
Clean Air	Pressure	≥0.4Mpa
	Air Consumption	0.2m ³ /min
Machine dimension (L×W×H)		1050×960×1600mm

Coating Specification

Coating pan diameter	20" (520mm)	23" (580mm)	27" (680mm)
Coating pan's rim diameter	11" (280mm)	11" (280mm)	11" (280mm)
Working capacity	5kg/batch	10kg/batch	20kg/batch
Mixing guide baffle	4Set	4Set	4Set
Tablet bed depth	5" (120mm)	6" (150mm)	8" (200mm)