

BGW Poreless Film Coating Machine



The Film Coating Machine can be used for coating various tablets, pills, and sweets with organic film, water-soluble film, and sugar film, etc., in pharmaceutical, food, and biological industries. It is noted for its high efficiency, low energy consumption, and space-saving qualities.

Basic working principle:

The tablets make a continuous, complicated, orbital motion in the closed drum of the film coating machine. The mixed coating is sprayed on the tablets with the spray gun through the action of the peristaltic pump.

Meanwhile, under the action of the Air Exhaust Cabinet (creates negative pressure) and Hot Air Cabinet (supplies hot air), a 100 000 level purification of clean hot air, supplied by the Hot Air Cabinet, penetrates the tablets and they are then exhausted from the bottom of the layers. This allows the coating medium, which is sprayed on the surface of the tablets, to dry rapidly and evenly, thus forming a solid and smooth film surface.

Characteristics:

1. All operations are integrated through HMI, providing reliable and stable performance.
2. Under the action of a streamlined guide plate, the tablets tumble frequently and smoothly, thus preventing them from falling from a high place and colliding. This prevents broken pieces and chipped edges and improves the qualification rate of the finished products. The narrow surface of the guide plate eliminates the adhesion of coating material on its surface, thus conserving coating material.
3. An automatic, high-efficiency feeding device prevents cross pollution.
4. Automatic cleaning system: The coating drum equipped in the high-pressure washing gun, is used for cleaning the air exhaust outlet and hot air inlet and can be rotated in automatic and full direction, leaving no recesses or hidden corners where dust can hide (Optional).

5. Selecting the international top-grade spray gun, allows for the flow and angle of the sector to be adjusted, providing a no leak, straightforward operation. The spray gun requires a certain level of air pressure for opening, to avoid leaking and wasting of coating materials.
6. A special mechanical device provides the machine with great flexibility, allowing it to handle even very small batches (coat 20kg pills in 150 type coating machine).

Technical Parameters

Item/Model		BGW300	BGW150
Load Capacity		300kg	150kg
Revolutions (R/Min)		1-13RPM	1-16RPM
Major Machine Power		3kw	2.2kw
Major Machine Size (L×W×H)		1720*1600*2120mm	1450*1350*2100mm
Size of Coating Drum		1500mm	1280mm
Air Exhaust Motor Power		7.5kw	5.5kw
Hot air Motor Power		2.2kw	1.5kw
Feed Port Diameter.		475mm	458mm
Major Machine Weight		1200kg	1000kg
Size of Hot Air Cabinet		900*800*2280mm	970*1150*2170mm
Size of Exhaust Cabinet		1050*1050*2100mm	1040*1340*2060mm
Air	Pressure	≥0.4Mpa	≥0.4Mpa
	Air Consumption	1.1m3/min	0.7m3/min

Item/Model		BGW80	BGW40
Load Capacity		80kg	40kg
Revolutions (R/Min)		1-19RPM	1-21RPM
Major Machine Power		1.5kw	0.75kw
Major Machine Size (L×W×H)		1300*1040*1920mm	1000*1380*1540mm
Size of Coating Drum		1006mm	825mm
Air Exhaust Motor Power		3kw	2.2kw
Hot air Motor Power		1.1kw	0.75kw
Feed Port Diameter.		380mm	340mm
Major Machine Weight		800kg	550kg
Size of Hot Air Cabinet		1040*920*2170mm	900*800*1500mm
Size of Exhaust Cabinet		900*820*1850mm	820*720*1750mm
Air	Pressure	≥0.4Mpa	≥0.4Mpa
	Air Consumption	0.35m3/min	0.15m3/min