

BGW series High Efficiency Intelligent Poreless Film Coating Machine



The tablets make complicated and constant track movement with easy and smooth turning and frequent exchanging in a clean and closed drum of the film coating machine. The coating mediums stirred in the constant temperature controlled stirring drum are sprayed on tablets through the spray gun at the inlet under the action of crawler pump. Meanwhile hot air up to 100000 level filtration are inhaled through the air distributing pipe at the center of the drum and flowed through tablets around the fan blade. Under the action of air exhaust and negative pressure, hot air are exhausted from the another side of the air distributing pipe and discharged after dust abatement. So these coating mediums on the surface of tablets get dry quickly, forming a coat of firm, fine and smooth film. Automatically controlled by PLC, it is in normal operation.

Performance and Characteristics:

The drum of the main machine has a closed powerless structure and is equipped with a flow-guiding sheet. Tablets can make easy and smooth rotation without fragment and chipped edge in the drum due to mirror polishing of its wall and fow-guiding sheet which greatly improves the yeld. The perorate machine has a wide application, energy and auxiliary saving and easier to clean.

During air intake, three times filtration involving primary filtration, medium filtration and high filtration, can reach 100,000 level purification. During a exhaust, dust abatement can reach 99% by adopting a bag-type dust extractor.

A specially designed air source exchange system features exchange of hot air an cold air depending on the technological requirements, so to say, the fan propeller can be regarded as air net or air outlet. The propeller hole bore can meet the user's requirement from 0.6 to 3.00 mm, which can be suitable for all type of tablet coating.

An eye detecting explosion-proof lamp is equipped in the drum so as to clearly view all material in run for the convenience of accurately control of coating technological in range.

Technical Parameters

Model		BGW300	BGW150	BGW80	BGW40
Items					
Load capacity		300kg/time	150kg/time	80kg/time	40kg/time
Revolutions(R/Min)		1-13RPM	1-16RPM	1-19RPM	1-21RPM
Machine power		3kw	2.2kw	1.5kw	0.75kw
Diameter of coating drum		1500mm	1280mm	1006mm	825mm
Power of air exhaust cabinetmotor		7.5kw	5.5kw	3kw	2.2kw
Air exhaust flow		10000m^3/h	7419m^3/h	5266m^3/h	3517m^3/h
Power of hot air cabinet motor		2.2kw	1.5kw	1.1kw	0.75kw
Hot air flow		3517m^3/h	2356m^3/h	1685m^3/h	1285m^3/h
Weight of main machine		1200kg	1000kg	800kg	550kg
Air conusumption	Pressure	>0.4Mpa	>0.4Mpa	>0.4Mpa	>=0.4Mpa
	Air comsumption	1.1m^3/min	0.7m^3/min	0.35m^3/min	0.15m^3/min