

High Efficiency Intelligent Film Coating Machine BG-E series



This product was developed on the imported equipment in 1992 and has been placed on the list of the Sin-tech Spark Project of ZheJiang. In 1995, this product passed the provincial level technical appraisal of new products, was awarded the Wenzhou Scientific and Technological Improvement Award and also recommended as the Brand -new and Quality High-tech Product of Zhejiang and National New Product of 1995. In July 2002, it passed GMP appraisal by State Economy & Trade Committee and the certification of EU. Until now it has been exported to such regions as Europe, Australia, South America, Middle East, Middle Asia, south Asia and Southeast Asia, etc. And 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

Principle:

The tablets 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 tables 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.

Feature:

1. All operations can be finished through pushing the touch key on the computer-controlled panel. The operational panel is a full-sealed slight touch film interface. The main machine as reliable and stable performance.
2. The streamline guiding-type mixer drives tablets to make easy and smooth rotation without fragment and chipped edge, which improves the quality of finished products.

3. Automatic feeding device stopped the cross pollution , convenient to feed, with high efficiency and full direction. The coating boiler equipped in the high pressure spray gun, which can rotate 1800, there set a cleaning sprayer at the air exhaust exit and hot air mouth, which can be rotated in automatic and full direction, without dead corner more convenient to clean.
4. Select the imported spray gun. It's convenient to operate and easy to master and flexible controlled technological requirement. The spray gun head requirement must keep in the range of 0.29 Mpa to 0.39 Mpa.
5. Angle and sector can be adjustable, uniform density and particle in spray pressure and 0.4-0.5Mpa in atomization pressure that avoid the dropping leakage and blockage phenomenon of size, uniform atomization and large spray area, practical to adjust flow, free leakage and blockage, angle and sector.
6. Film coating machine contains the mechanical device of cauldron wrapping little material can coat at least 20 kg plain pills in 150 type coating machine, regulate through it inherent machinery, make a small mount of medium coat in cauldron and will not cause the wasted of dressing and greatly improve the scope of appliance.

Parameter

ITEM/MODEL		BG1000E	BG600E	BG400E
Load Capacity		1000Kg	600 Kg	400 Kg
Revolutions(r/min)		2.0-12RPM	2.0-12 RPM	0-13 RPM
Machine Powr		7.5Kw	4Kw	3Kw
Diameter of coatinet motor		Φ1800mm	Φ1580mm	Φ1580mm
Power of air exhaust cabinet motor		11 Kw	11 Kw	7.5 Kw
Air exhaust flow		18000m ³ /h	15450 m ³ /h	1000 m ³ /h
Power of hot air cabinet motor		7.5 Kw	4 Kw	2.2 Kw
Hot air flow		10650 m3/h	6500 m3/h	3517 m3/h
Wight of man machine		2000 Kg	1600 Kg	1000 Kg
Air consumption	Pressure	≥0.4Mpa	≥0.4Mpa	≥0.4Mpa
	Air comsumption	2.5m3/min	2 m3/min	1.5 m3/min

ITEM/MODEL		BG150(D)E	BG80(D)E	BG40(D)E
Load Capacity		150 Kg	80 Kg	40 Kg
Revolutions(r/min)		2.1-14 RPM	2.0-16 RPM	2.0-18 RPM
Machine Powr		2.2 Kw	1.5 Kw	1.1 Kw
Diameter of coatinet motor		Φ1200mm	Φ930mm	Φ780mm
Power of air exhaust cabinet motor		5.5 Kw	3 Kw	2.2 Kw
Air exhaust flow		7419 m ³ /h	5268 m ³ /h	3517 m ³ /h
Power of hot air cabinet motor		1.5 Kw	1.1 Kw	0.75 Kw
Hot air flow		2356 m3/h	1685 m3/h	1285 m3/h
Wight of man machine		850 Kg	600 Kg	500 Kg
Air consumption	Pressure	≥0.4Mpa	≥0.4Mpa	≥0.4Mpa
	Air comsumption	0.7 m3/min	0.35 m3/min	0.2 m3/min