HLSG-30 High Efficient Wet Granulation with Mixer for Pharmaceutical

HLSG-30 High shear mixer granulator is a new generation of granulating equipment developed by our company, which can finish the procedures of mixing, wetting, granulating in one time. Which is very effective and in compliance with GMP standard.

This machine is controlled by Siemens PLC, equiped with touch screen, HMI, double frequency control system. At the same time, several of our creative designs are applied on, such as automatic safety protection device, jacket heating and temperature control system etc. Therefore, it gets high automatic degree, adhesive usage saving, short granulating time, high-quality of finished granules. It also can mix different kinds of powder or paste materials. Small solid granules with uniform size and high pelletized ratio can be obtained.

It is suitable for mixing and granulating in various industries, such as pharmacy, foodstuff, cosmetics, feedstuff, ceramic and chemicals. And got good feedback from the customers all over the world.

Advantages

1. With 3 seals: Imported skeleton seal (upper and lower), gas seal, the exclusive developed third separation seal of our company. Make sure no transmission system, bearing lock and materials polluted
2. Siemens PLC, touch screen and dual frequency control system.
3. 45° bevel of the material outlet port, material outlet automatically. >> No dead angles, no residual, easy to be cleaned.
4. Belt transmission, no oil leaking, easy to be changed if worn. Cheaper and economic.
5. Pot bottom with jacket for cooling, avoid motor lock caused by overheated material which stick to the pot wall. 6. Operating platform has no dead angles, easy to be cleaned and meets the standards of GMP (CGMP).

7. Automatic pot-cover opening and closing system, pneumatic components and security alarming device are applied.
8. The gap between the paddle and pot bottom can be decreased to 0.5-1mm. Thick stainless steel used from 8-12mm, high grade, not easy to be deformed.

Technical parameters

Model	HLSG-30
Hopper Volume	30L
Working Volume	6-20L
Material Input Quantity (material density is 0.5g/ml)	3-10KG/batch
Operating Time	mixing about 2 minutes, granulating 7-14 minutes/batch.
Finished Granule Size	about Φ0.14-Φ1.5mm
	(12-100 meshes)
mixing motor	3KW, 6 magnetic poles0.4-0.6
Mixing Blade Rotating Speed (frequency conversion speed adjusting)	50-500 r/min
Granulating Motor	1.1KW, 2 magnetic poles
Granulating Blade Rotating Speed (frequency conversion speed adjusting)	50-3000 r/min
Compressed Air	0.3m3, 0.7MPa
	(provided by users themselves)
Cooling Water Connector	Φ8mm
Compressed Air Connector	Φ8mm
Overall Dimension of Main Machine (L*W*H)	1450*530*1340mm
Weight	400KG