

Super Mixing Granulator HLSG-300



Specifications

Mixing of powder and powder, Granulation of powder and bond. This machine has passed the CE and GMP certificate.

Introduction:

Applied in trades such as pharmaceutical trade, chemical trade as well as food trade etc, more precise description: Mixing of powder and powder, Granulation of powder and bond. This machine has passed the appraisal of province-level New products and the certification of CE.

Performance and characteristics:

1. With consistent programmed technology (man-machine interface if option selected) , the machine can get assured of stability in quality, as well as easy manual operation for convenience of technological parameter and flow progress.
2. Adopt frequency speed adjustment to control the stirring blade and cutter, easy to control the size of particle.
3. With the rotating shaft hermetically filled with air, it can prevent all dust from compact.
4. With a structure of conical hopper tank, all material can be in uniform rotation. The tank is laid with an interlayer on the bottom, in which water cooling circulation system featuring

higher thermostatic performance than air cooling system is furnished, which leads to improve the quality of particles.

5. With automatic lifting of the pan cover, the tank outlet matching with drying device, self-equipped arm-ladder, it is easy to operate.

6. Lifting system with paddle is more beneficial to clean paddles and pot body.

Working principle:

1. The whole process consists of two programs including mixing and granulating.
2. Powder metrical can be charged into the material pan from the conical hopper and continue to rotate in the container under the action of mixing blade once the hoper is closed. In the meanwhile, all materials grow up the shapes of liquid bridge under continuous effects of conical wall. Under the action of extrusion, friction as well as crumb by blade and conical tank wall, all material is gradually turn for loosen. At last, while opening the hoper outlet, waterish particles are pushed off under the centrifugal effects of blade.
3. These soft particles are formed not dependent on forced extrusion effects, more exactly; these small and uniform particles are mainly formed after continuous cutting under the similar-liquid state. In all, this machine can realize the mutual transformation between different materials.

Main technical parameters:

Item/Model	HLSG-300
Working Capacity	130-180 L
Time of Granulating	(Mixing: about 2 minutes, Granulation: about 7 minutes/batch)
Rotating Speed of Stirring Paddle	30-220 rpm
Power of Stirring Paddle Motor	18.5 kw
Rotating Speed of Cutter	50-3000rpm
Power of Cutting knife Motor	7.5 kw
Overall Size (LxWxH)	2600x1000x2130mm
Height of Discharge Outlet	985mm
Weight of Machine	1350kg