

HLSG 5L series Super Mixing Granulator



Applied in trades such as pharmaceutical trade, chemical trade as well as food trade etc, more exactly shown as follow: 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 EU.

Working Principle

The process consists of two programs including mixing and granulating.

Powder material 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 hopper is closed. In the meanwhile, all materials grow up the shape 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 hopper outlet, waterish particles are pushed off under the centrifugal effects of blade.

These soft particles are formed not dependent on forced extrusion effects, more exactly; mainly these small and uniform particles are formed after continuous cutting under the simile-liquid state. In all, this machine can realize the mutual transformation between different materials.

Parameter

Model	HLSG-1-5
Granulator	1L
	3L
	5L
Working volume	0.2L-0.8L
	0.5L-2.5L
	1L-4L
Filling capacity (proportion0.5 /Cubic centimeter)	100gram-800gram/batch
	250gram-1250gram/batch
	500gram-2000gram/batch
Operation time	mix about 3minutes granulate about 1-5minutes
Granule size	aboutΦ0.14-Φ1.5mm(12mesh-100mesh)
Mixing motor	2.2KW 6 level
Mixer speed (can be adjusted)	120-960 rpm /minutes
Granulator mixer	0.55KW 2level
Granulator mixer speed	50-3000rpm/minute
Air pressure	0.3 cubic meter 0.7Mpa(customer prepare)
Cooling water connect	Φ8mm
Air pressure connect	Φ8mm
Dimension (L×B×H)	1200×680×1450 mm
Weight	About 300kg