MIN HUA
PHARMACEUTICAL MACHINERY

HLSG Super Wet 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, Granulator of powder and bond, This machine has passed the appraisal of province-level New products and the certificate of GMP.

Structure and Characteristics

- 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.
- Adopt frequency speed adjustment to control the stirring blade and cutter easy to control the size of particle.
- With the rotating shaft hermetically filled with air, it can prevent all dust from compact.
- 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.
- With automatic lifting of pan cover, the tank outlet matching with drying device, self-equipment arm-ladder, it is easy to operate.
- Lifting system with paddles is more beneficial to clean paddles and pot body.
- Mouth of material outlet has changed into arc-shaped, avoided up dead spaces.

Working Principle

The process consists of two programs including mixing and granulating.
Power 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 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.

Technical Parameters

ITEM	TYPE		
	HLSG10	HLSG50	HLSG100
Bowl Volume Litre	10	50	100
Max Material Charge Amount kg	3	15	40
Mixing Power kw	0.8	5.5	7.5
Mixing Speed r/min	430-600	25-500	25-500
Chopper Power kw	0.55	1.5	3
Chopper Speed r/min	1500-3000	300-3000	0-3000
Dimension mm	930*320*1250	1900*700*1400	2400*880*1560
			1700*680*1720
Net weight kg	180	500	850

ITEM	TYPE		
	HLSG150	HLSG200	HLSG300
Bowl Volume Litre	150	200	300
Max Material Charge Amount kg	50	80	100-130
Mixing Power kw	6.5	13	22
Mixing Speed r/min	220-330	25-500	10-150
Chopper Power kw	4.5/5.5	4	7.5
Chopper Speed r/min	1500-3000	0-3000	300-3000
Dimension mm	2055*830*1340	2500*1400*2000	2400*1000*1685
		1100*3100*2420	
Net weight kg	1000	1100	1800