

GHL Series High Speed Mixing Granulator



The powder raw material and adhesive in a cylinder are fully mixed at the bottom to become a humid soft material. Then it is cut by high-speed cutter and become uniform granules.

Features

- The machine adopts horizontal cylinder structure, its structure reasonable.
- Air filled seal shaft for to drive. When washing, it can be changed to water.
- Fluidized granulation, the granule is around ball shape. Its flow ability is good.
- Compared to traditional process, 25% of adhesive can be reduced and the drying time is short.
- The dry mixing time is 2 minutes and the granulating time is 1-4 minutes. Compared to the traditional process, 4-5 times of efficiency is raised.
- Dry mixing, humid mixing and granulating are finished in the same sealed container. It is in conformity with the requirements of GMP.
- The whole operation has strict safe and protective measures.
- Jacket type might be adopted on request.

Parameter

item	spec	GHL							
		10	50	150	200	250	300	400	600
volume	L	10	50	150	200	250	300	400	600
capacity	kg/batch	3	15	50	80	100	130	200	280
mixing speed	r/min	300/600	200/400	180/270	180/270	180/270	140/220	106/155	80/120
mixing power	kW	1.5/2.2	4/5.5	6.5/8	9/11	9/11	13/16	18.5/22	22/30
cuting speed	r/min	1500/3000	1500/3000	1500/3000	1500/3000	1500/3000	1500/3000	1500/3000	1500/3000
cuting power	kW	0.85/1.1	1.3/1.8	2.4/3	4.5/5.5	4.5/5.5	4.5/5.5	6.5/8	9/11
compressed air consumption	m ³ /min	0.6	0.6	0.9	0.9	0.9	1.1	1.5	1.8
weight	kg	250	500	800	1000	1300	1800	2200	2600