



High Efficiency Rapid Mixer Granulator



Rapid mixer granulator is a high efficiency equipment that can mix different powder materials and Granulate granule in one procedure. It is wide used for pharmaceutical industry, foodstuff industry and chemical industry, etc.

Principle:

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

Features:

1. The machine adapts horizontal cylinder structure. Its structure is reasonable.
2. Use air filled seal shaft to drive. When washing, it can be changed to water
3. Use fluidization to Granulate and the granule is near ball. Its flow is good;
4. Compared the traditional process, 25% of adhesive can be reduced and the laying time can be shorted;
5. The time of mixing in dry is 2 minutes and the time of granulating is 1-4 minutes. Compared with the traditional process, 4-5 times of efficiency is raised;
6. In the same sealed container, dry mixing, humidity mixing and granulating can be finished. It is in conformity with the requirements of GMP;
7. The whole operation has strict safe and protective measures.

Technical Parameters:

Item		Specification							
Name		10	50	150	200	250	300	400	600
Volume	L	10	50	150	200	250	300	400	600
Capacity	kg/batch	3	15	50	60	80	100	135	200
Mixing speed	r.p.m	300/600	200/400	180/270	180/270	180/ 270	140/220	106/ 155	80/120
Mixing power	kw	1.2/2.2	4/5.5	6.5/8	9/11	9/11	13/16	18.5/22	22/30
Cutting speed	rpm	1500/3000							
Cutting 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