

High Shear Granulator

Application:

Completely self contained bottom drive high shear granulator.

Features:

1. Lab and Pilot scale models have interchangeable product bowls to accommodate different batch size.
2. Three-level security authorization, parameters controlled by PLC, auto-save for all data which can be exported by USB devices.
3. Liquid Adding: Airless atomization, wetting agents are aerosolized airlessly, the droplet becomes more uniform, smaller and even. This can effectively solve highly viscous materials
4. End Point Determination: Equipment can be customized, customizable end point output of torque, power, electric current, etc.
5. Food grade skeleton oil sealed rotating shaft design; it eliminates dust bonding.
6. The gap between the impeller and the bottom of the bowl is minimized (0.3-1mm), which can solve the problem of material deposited in the bottom of the bowl.
7. Mixing bowl, impeller and chopper parts can be changed in 3 minutes without any tools.



High Shear Granulator

Lab to Pilot Scale Models and Technical Data

	Mini G (Interchangeable bowl)	G6 (Interchangeable bowl)	G10 (Interchangeable bowl)	G20 (Interchangeable bowl)	G30 (Interchangeable bowl)
Bowl Volume (L)	0.1、 0.2、 0.5	0.5、 1、 3、 6	1、 3、 6、 10	1、 3、 6、 10、 20	6、 10、 20、 30
Working Capacity (kg/batch)	0.02-0.10	0.05-2.0	0.1-3.0	0.1-6.0	2-10
Impeller Speed (rpm)	50-1400	50-480	50-480	50-480	50-480
Chopper Speed (rpm)	300-3000	300-3000	300-3000	300-3000	300-3000
Power	220V/ 1 phase 3 wire /50Hz		380V/ 3 phase 5 wire/50Hz		
Total Power (kw)	0.36	2	3	4.5	4.5
Air Pressure (MPa)	n/a	> 0.3	> 0.3	> 0.3	> 0.3
Dimensions (mm)	270×300×300	1200×550×1100	1350×600×1100	1200×600×1150	1200×800×1200

Pilot to Production Scale Models and Technical Data

	G50 (Interchangeable bowl)	G100 (Interchangeable bowl)	G200 (fixed bowl)	G300 (fixed bowl)	G600 (fixed bowl)
Bowl Volume (L)	3、 6、 10、 20、 50	20、 50、 100	200	300	600
Working Capacity (kg/batch)	0.1-20	10-40	20-80	30-120	60-240
Impeller Speed (rpm)	50-480	50-480	50-480	30-300	30-300
Chopper Speed (rpm)	300-3000	300-3000	300-3000	300-3000	300-3000
Power	380V/3 phase 5 wire/ 50Hz				
Total Power (kw)	7.5	16	21	30	42
Air Pressure (MPa)	> 0.4	> 0.5	> 0.5	> 0.5	> 0.3
Dimensions (mm)	1800×800×1300	2100×1200×1700	2500×1500×1800	2800×1800×2000	2800×1800×2000

EPS High Shear Granulator Provides:

- Batch Size Flexibility
- Easy Scalability
- Optimum Process Control
- Excellent Handling and Friendly User Technology
- Easy Changeover and Cleaning