

Rapid Mixer Granulator

Mixing, Granulator

Wet Granulation Method, The Rapid mixer/Granulator is a multi-purpose processor equally suitable for high speed dispersion of dry powders, aqueous or solvent granulations, and effervescent product.



Innovative design; for improved mixing characteristics, faster processing and a more clearly defined end-point. Flush mounted, multi-blade design improves binder solution dispersion and product movement at slow speeds Pressure Shock

Resistant design option with hinge interlocking system is power assisted to provide safe and comfortable opening to the bowl cover. Better mixing and closed control of granule size leads to faster tableting speeds with improved quality and least rejections. Homogeneously dry mixes quickly and Improved content uniformity.

Pilot Batch: 25 L, 50 L

Production Batch: 100 L, 150 L, 250 L, 400 L, 600 L, 1200 L

R&D

RMG 10 | 5 | 3 L Interchangeable Bowl

Rapid Mixer Granulators are very sturdy in construction. A complete fabricated structure, duly enclosed in Stainless Steel is provided.

Contact Parts SS316L
Air purging for bowl

During design and manufacture, particular attention is given to achieving a cGMP compliant configuration and affording ease of cleaning.

Process Bowl & Assembly The process bowl is designed to provide optimum mixing time.

Allow easy access for cleaning & validation. The geometry is achieved via accurate welding techniques & the final bowl is machined to achieve higher degree of accuracies for various parameters.



Impeller

The impeller design is optimum for energy efficiency. The impeller imparts uniform energy while mixing as well as granulating. At higher tip speeds, the impeller has the best profile to push materials into the fluidizing & granulating zone, thereby arriving at good, consistent granules faster than similar equipment.



Chopper

The chopper or the granulator is laterally mounted at an optimum height to provide maximum granulation in the action zone. The chopper has knife edged, multiple, equally spaced blades extending towards the center of the bowl. This arrangement is found to be the most suitable for granulation of larger batch sizes.

Interchangeable Bowl

RMG 10 L with bowl of 5 and 3 can be available.
The same machine can be used with different bowl
Automatic Pneumatic
discharge can be
provided as per
customer requirement.



Features:

- cGMP Design
- WIP for Cleaning
- Air Purging
- Automatic Discharge
- Inline Co-Mill
- Pneumatic Transfer System
- 21 CFR PART 11, SCADA
- Servo Driven chopper
- Binder addition system.

