

## *YS-MG series Rapid Mixer Granulator (RMG)*



Super mixer granulator, also called Rapid mixer granulator RMG, is suitable for the high speed dispersion of dry powders, aqueous or solvent granulations. Rapid mixer granulator provides perfect mixing in short time for wet granulation process. In high shear granulation, dry powder is mixed in a bowl using impeller that spins powder into a vortex.

### **Function**

- Mixing : powder and powder.
- Granulation : powder and binder solution.

### **Theory**

Inside the cone-shaped vessel, the main impeller mix the powder into fluidized vortex and form lumps with the binder solution. then the high speed chopper cut the lumps into even granules by high speed action.

### **Application**

- Bio-tech / Pharmaceutical : powder mixing and granulating before tableting.
- Chinese Medicine : powder and soakage plaster mixing.
- Food : seasoning mixing and granulating.
- Chemical :
  - Chemical material mixing and granulating.
  - Electronic metal powder mixing and granulating.
  - Plastic powder mixing and granulating.

## Feature

- High uniformity, very different proportion also can uniformly mixing.
- Short mixing time, about 5 ~ 10 min/batch finished.
- Good tightness, use air bag to clamp the cover.
- Multi safety interlock device, high safety.
- Optional equipment for different product feature.
- Multi functions of mixing, granulating and drying can produce hormone or anti-cancer medicine.
- All the design and manufacture are qualified cGMP standard and FDA requirement.

## Specification

| Model      | Full Volume(L) | Work Volume(L) | Capacity:Kgs/Batch | Size(W x L x H) (MM) |
|------------|----------------|----------------|--------------------|----------------------|
| YS-MG-1    | 1              | 0.4-0.8        | 0.2-0.4            | 310x560x753          |
| YS-MG-5    | 5              | 2-4            | 1-2                | 350x600x800          |
| YS-MG-20   | 20             | 8-16           | 4-8                | 500x1360x1210        |
| YS-MG-100  | 100            | 40-80          | 20-40              | 700x1600x1350        |
| YS-MG-150  | 150            | 60-120         | 30-60              | 850x1900x2100        |
| YS-MG-250  | 250            | 100-200        | 50-100             | 900x2400x2500        |
| YS-MG-300  | 300            | 120-240        | 60-120             | 2800x2900x3000       |
| YS-MG-400  | 400            | 160-320        | 80-160             | 2900x3100x3500       |
| YS-MG-600  | 600            | 240-480        | 120-240            | 3000x3300x3900       |
| YS-MG-800  | 800            | 320-640        | 160-320            | 3100x3500x4000       |
| YS-MG-1000 | 1000           | 400-800        | 200-400            | 3200x3800x4100       |
| YS-MG-1200 | 1200           | 480-960        | 240-480            | 3300x4000x4300       |