

# Super Mixer / Granulator



**DNV**

ISO2000:9002



## FUNCTION

Mixing: Powder and powder.

Granulation: Powder and binder.

## APPLICATION

Pharmaceutical: Powder mixing, granulating with binder  
before tableting.

Food: Fruit favored tablet , candy, seasoning.

Chemical material.

Electronic metal powder.

Plastic powder mixing.

Cosmetic industrial.

Ceramic industrial.



## THEORY

Inside the cone-shaped vessel, the main impeller mix the powder into fluidized vortex and forms lumps with the binder solution. Then the high speed chopper breaks the lumps into even granules by a high speed rolling action.



## FEATURES

1. Multi-functions: mixing , granulating.
2. Short mixing time.
3. Multi safety interlock
4. Easy operation and maintenance.
5. Unique air seal system design:

A filtered compressed air is introduced into the air seal system. It prevents the powder fall into shaft and chopper, which may cause black spot and contaminate the product.



## FEATURES

### 6. Pneumatic discharge:

Fully contained cylinder & easy/ fast /safe operation.

### 7. The clearance between impeller and bottom only about 0.3~0.5mm , therefore , a well mixing can be achieved and less remain.

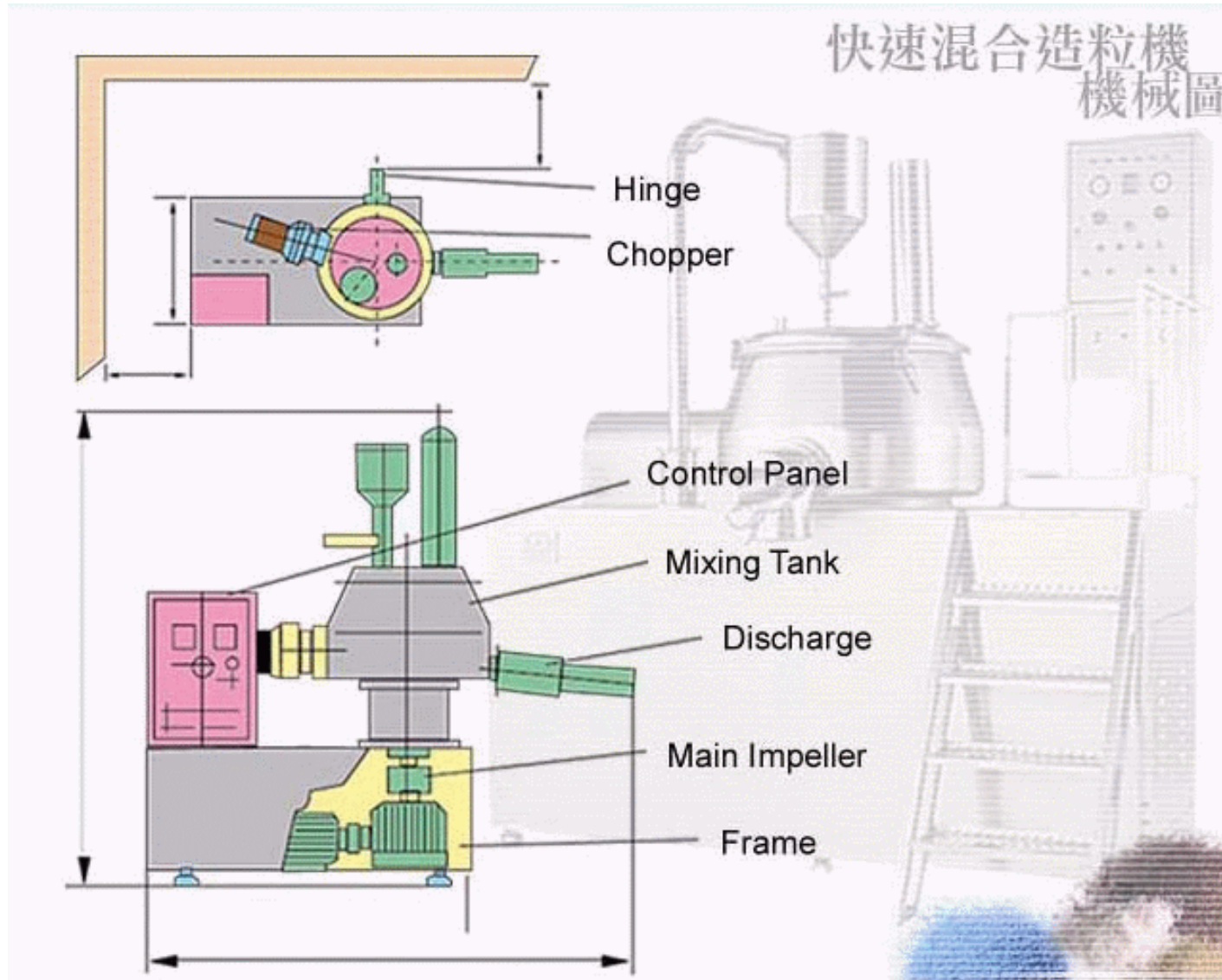


## OPTIONAL SYSTEM

1. Jacket heating or cooling.
2. Spraying by pressure tank & spray nozzle
3. Material of contact part: change to SUS316 or SUS316L
4. Speed: variable speed by inverter.
5. Explosion proof system for organic solvent.
6. Wet Milling (join with cone mill)
7. Touch Screen
8. Vacuum Drying
9. Product Temperature
10. End Point Control: by ampere reading or product temp.
11. WIP System
12. Powder loading by vacuum



快速混合造粒機  
機械圖



## SPECIFICATIONS :

Model YC-SMG		SMG-20	SMG-100	SMG-150	SMG-250	SMG-300	SMG-400	SMG-600	SMG-800	SMG-1000	SMG-2000
Full Capacity	L	20	100	150	250	300	400	600	800	1000	2000
Working Capacity	L	14	70	105	175	210	280	420	560	700	140
Average Working batch (Assuming 0.5g/c.c.)	KG	3-5	25-35	40-60	75-90	90-120	120-150	180-220	240-300	350-400	600-800
Dimension (LxWxH)	mm	1560X540X1430	2100X700X1600	2300X850X2125	2420X900X2275	2600X950X2750	3200X1200X3000	3600X1450X3500	3350X2800X3500	3300X2800X3500	4000X3400X3500

YC-EP-SMG Model For Explosion Proof Type Binder Spray System (Optional)

Specifications subject to change without notice

