

# Planetary Centrifugal Mixer

## MJ series



### Mixing + Disperse + Defoaming

Planetary Centrifugal Mixer is a new generation mixer for viscous materials application. It can simultaneously perform mixing, dispersing, and defoaming by programming steps. These functions lead to allow you designed a better string process by parameters of rotation, revolution, and time in each step.

MJ-V series with a high-end vacuum system add-in for fast defoaming in the process. That is different from a traditional vacuum box – hard to decrease the mPa due to space. A high-efficiency vacuum system leads to a fast vacuum process that helps to defoam sub-micro size bubbles in containers.

### No More Contact Contamination – Blade-less

Contamination is a serious quality issue in R&D, Labs, and production that lead to analysis failure, and unknown risk of quality. Bladeless design can decrease the possibility of remains on blade and containers. Furthermore, blade-less reduce rising of temperature with no friction.

### Save your time more than 50% !

Compare with traditional mixers, MJ-V and MJ-H series have new designs including twin-cup design, and two independent motors. The first can double capacity in each string program even if not the same materials.

The other one is two independent motors that can drive / adjust parameter rotation and revolution, that made the research more flexible, not limited by a constant ratio.



## KEY Features

- Transmission by Gear, not Belt
- Twin-cup design performs double capacity in one string process
- Bladeless design to avoid contact contaminant
- Rotation and revolution independent setting for flexible adjustment
- Large touch screen display – more intuitive and all data you can see



Made in Taiwan

## Main Functions

- Mixing only or Mixing+Defoaming selectable
- Revolution speed max: 1500rpm
- Adjustable rotation and revolution speed
- Monitors of Temperature and vacuity
- Capacity 300ml~10,000 ml(10L) available
- Applications: LED solder paste, sealant, semiconductor, nano materials, Graphene, carbon nanotubes, printing circuit conductor, pharmaceutical, cosmetic, and science research



## Container and Adapter

Standard containers, adapters for ink containers, syringes adapters, and Counterweight adapters.

The customized adapters can be designed for your requirements.



- Upper Cover
- Power
- Indicator
- Emergency STOP
- STOP
- START
- Touch Screen
- Meter of Vacuity

## Specification

Specification

Function / Model	MJ-300V MJ-300H	MJ-600V MJ-600H	MJ-1000V MJ-1000H	MJ-2000V MJ-2000H	MJ-4000V MJ-4000H	MJ-10000V MJ-10000H
System	Rotation, Revolution, Bladeless					
Operation Time Setting	1~600secs/step					
Programming Function	20 sets of memory , 3 Steps					
Container Capacity*1	150ml x 2	300ml x 2	500ml x 2	1000ml x 2	2000ml x 2	5000ml x 2
Design for Efficiency						
Motor Operation	2 x Independent motors					
Number of Container	Twin-cup design					
Transmission	Gear					
Revolution Speed (rpm)	100~1500	100~1500	100~1000	100~800	100~700	100~600
Rotation Speed (%)	1~80%	1~80%	1~80%	1~80%	1~80%	1~80%
Vacuum System ( V series only)						
Vacuum spec.	0.1 Torr					
Vacuum Pump Capability	85L/min	140L/min	200L/min	200L/min	200L/min	200L/min
General						
Safety Design	Door opening detection, Vibration detection, Vacuum detection, Motor anomaly detection					
Interface Languages	English / Chinese					
Power Input	AC220V±10%, 1 Phase, 50/60Hz				*AC 220V / 380V / 415V ±10%, 3P, 50/60Hz	
Operating Environment	10~30℃ , 35~80%RH (Ensure no water condensation)					
Dimensions(D*W*H, mm)	600*400*640	620*410*600	670*450*700	810*660*860	900*750*860	1100*1000*1100
Weight	60kg	65kg	72kg	96kg	110kg	350kg
Accessories	Users Manual.*1 AC power cable*1. Standard Container*					

\*1: For other capacity of container and models, please contact us for more details.

\*2: All specifications are subject to change without notice.

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