

Planetary Centrifugal Mixer With Vacuum Device Machine

SK-350TV/SK-350TVS

NEW

Greatly improved mixing performance with the same features as existing models!
A new advanced function model equipped with the individual
revolution and rotation speed control system!!



Individual revolution and rotation speed control system

The ratio of revolution and rotation can be adjusted, and 90 different speed combination patterns can be set.

Optimum settings

It enabled to set detailed setting for materials property and kinds, then achieve mixing and degassing for various kind of materials.

Sustains thermal elevation

There are no propellers, so there is no need to wash the main body of the device and there is no loss of material.

High-speed processing

The system supports mixing and degassing of various types of materials, from those with low to high viscosities, in a matter of just tens of seconds to a few minutes.

No need to cleaning job

Less propeller blade make it possible not to clean machine body and no loss of materials.

Easy operation

Operation settings can be made easily with just the up, down, left and right keys on the control panel. (LED light shows which button to touch)

Shift mechanism

A shifted cup tray is used on the rotation axis, solving the issues of lump creation and insufficient mixing.

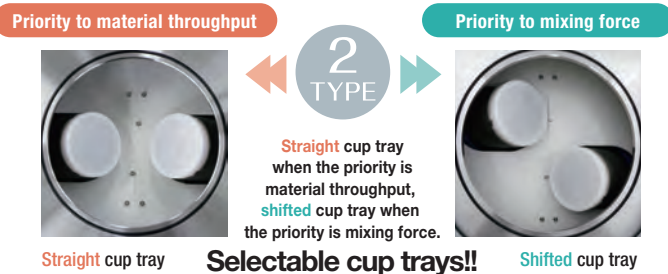
Selectable shifted cup tray used for degassing with reduced vacuum pressure function.
Suited for a wide range of applications, from research and development to small-scale production.

Shifted cup tray

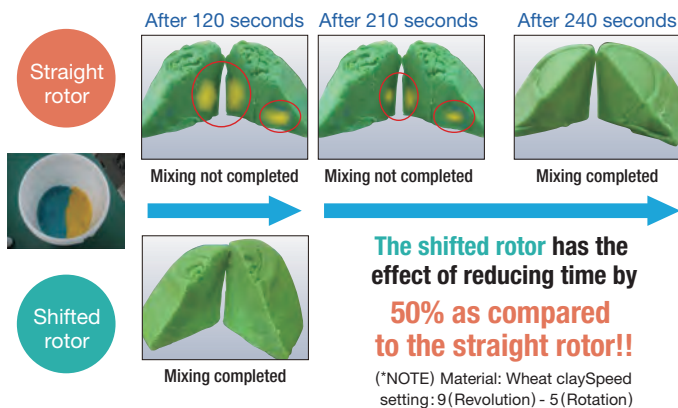
- 2 types of cup trays are available: **straight type** and **shifted type**, selectable according to the purpose.

While the straight type prioritizes material throughput, the shifted type offers enhanced mixing capability as compared to the straight type by increasing the contact parts between the container inner wall and material.

※ The effect differs depending on the material. Select the type according to the desired material throughput and mixing performance.



- Comparison of mixing times (straight rotor vs. shifted rotor)



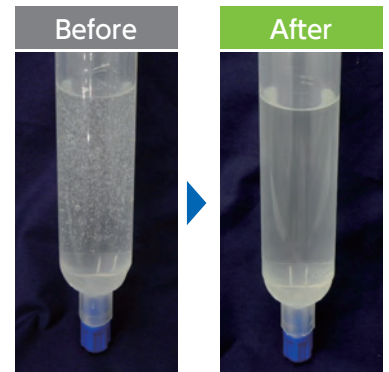
Container and adopters

Plenty of adopters are available for a wide range of containers, including disposable cups, stainless steel containers, paper containers, syringes, barrels, glass bottles, centrifuge tubes, etc.



Vacuum machine with enhanced degassing force!

The vacuum machine makes it possible to eliminate even very finer air bubbles, so it can be expected to even further improve the conductivity and insulation performance demanded of electronic materials, contributes to decrease defective rate of products due to bubbles in optical materials and prevent injection of air due to air bubbles in syringes.



Specifications

Item	Model	SK-350TV	SK-350TVS
External appearance of machine			
Rotor		Straight rotor	Shifted rotor
Cup tray size		400 ml × 2 cups	
Revolution setting		Settable in 9 steps	
Rotation setting		Settable in 10 steps (0 to 1.0 times with against revolution speed) ※ May differ from actual specifications.	
Time of setting		10–300 sec. (in units of 10 sec.)	
Step mode		1–5 steps (NOTE)	
Memory channels (condition setting memory)		User settable channels	90
		Fixed data channels	10
Power supply voltage		Single phase AC 200 ~ 240V 50/60 Hz	
Power consumption		2.0 kW (including vacuum pump)	
External dimensions		565 (W) × 682 (D) × 725 (H) (mm) (not including projecting parts)	
Main unit weight		Approx. 160 kg (not including vacuum pump)	

(NOTE) Up to 5 types of different operation patterns (conditions) can be set continuously.

[Manufacture]

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Revolution-Rotation Motion Mixer & Degassing System

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