Kakuhunter

NEW

Revolution-Rotation Mixer & Degassing System

SK-2000T

Renewal model of one of our best selling model with new additional function

▶ Maximum throughput 2kg x 2 cup (Note1)
▶ Custom made mixing machine which correspond to customer's designated container.
▶ Maximum container size: Diameter 150mm, Height 170mm
▶ It enables to have certain throughput without adopter.
▶ It achieved various kind of materials mixing and degassing with individual speed control system. (Revolution and Rotation speed can adjust individually)
▶ It enables to select normal mode as well as special mode which correspond to each material feature.

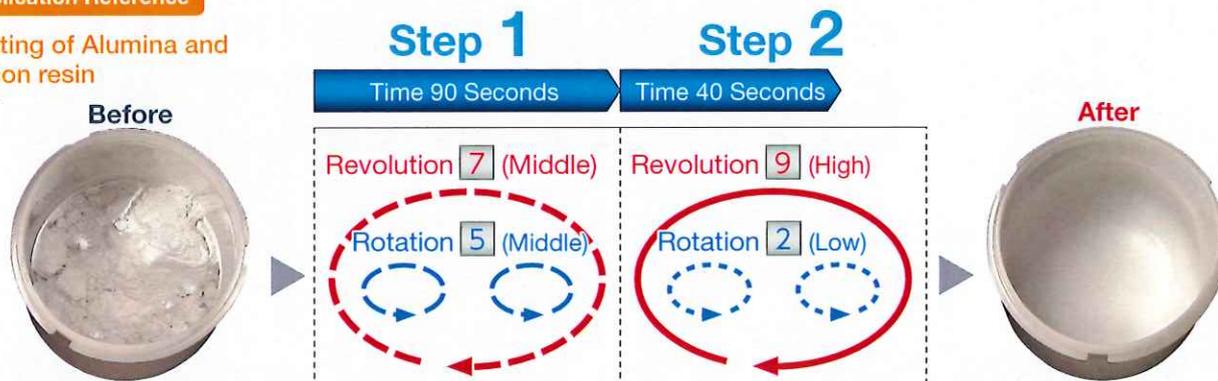| **L-mode**	**P-mode**	**D-mode**
Anti-aggregation function	Rotation waving move function	Weak revolution move function
Mixing powder and liquid, then avoid to occur lump condition.	Rotation speed creates up and down like wave, this enhances mixing force.	Due to slight move of revolution, it enables to remove micro fine bubble.

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▶▶ Eliminates lumps of material in mixing

Mixing force is increased by individual revolution and rotation control and step mode to eliminate lumps.
In mixing powder and resin, powders are easily formed into lumps and difficult to crush. The individual setup
function for revolution and rotation speed can be used to prevent lumping for motion mixing and degassing.

Application Reference

Pasting of Alumina and silicon resin

Before

Step 1 — Time 90 Seconds
Revolution **7** (Middle)
Rotation **5** (Middle)

Step 2 — Time 40 Seconds
Revolution **9** (High)
Rotation **2** (Low)

After

▶ Comparison with other mixing method

Method	Revolution-Rotation Type (Kakuhunter)	Propeller Type	The Three Roll Type	Roller Type
Mixing Time	◎ Short time	○ Relatively short time	△ Long time	△ Long time
Processing Quantity	△ Depending on container capacity	◎ Possible to manage large quantity	△ Possible to manage continuous operation	◎ Possible to manage large quantity
Material Viscosity	◎ Low-High viscosity level	○ Low-Middle viscosity level	○ Middle-High viscosity level	○ Low-Middle viscosity level
Degassing	◎ Centrifugal degassing + Vacuuming	✕ Not possible	△ Can be effective	✕ Not possible
Foreign Substances Interfusion	◎ Container	△ Propeller/ Container	△ Roll	◎ Container
Labor hour in case of replacing material	◎ No need to clean up	✕ No need to clean up propeller and tank	✕ No need to roll part	◎ No need to clean up
Heat Generation	△ Has heat	△ Has heat	△ Has heat	○ Has less heat

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Throughput	Maximum weight 2kg (Note 1) Enables to customize cup tray which can correspond to customer's designated container.	Alarm function	Unbalancing alarm Top lid lock/ Open alarm Top lid open alarm Overload alarm
Revolution speed	(9 step setting) (Note 2)	Safety function	Automatic stop under alarm occurrence Top lid lock function under operation, electric power-off. Operation stop function under opening top lid. Emergency stop button.
Rotation speed	Against revolution (10 step setting) Equipped with three special mode L-mode: Anti-aggregation mode - : none/1: weak/ 2: strong P-mode: Rotation waving mode - : none/ 1: weak/ 2: strong D-mode: Weak rotation mode - : none/ 1: active		
		Power source	Three phase AC200 (V) ±5% 50/60 (Hz)
Setting channel	Maximum: 100CH 0~9CH (Fixed CH)	Electric installment capacity	2.5 (KVA)
Operation time	1CH Enables to set till 5 steps. Maximum set time on 1 step: 900 seconds (15 minutes) (10 seconds unit) Total time for 5 steps: 1,500 seconds (25 minutes)	Measurement	646 (W) ×663 (D) ×851 (H) (mm) (except projection part)
		Weight	About 225kg

Note 1) It is possible to decrease throughput of gross weight including container, which may change depending on materials property.
Note 2) Revolving speed may change depending on materials property.
Specification may change without announcement.

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