

THINKY

Planetary Centrifugal Mixer

Made in Japan

THINKY MIXER**ARE-310S-UL
ARE-310S-CE**

User-Friendly & Highly Versatile Standard THINKY MIXER

- ✓ LCD touch control panel with real-time speed display
- ✓ Dual adjustable mixing modes for fast dispersion and bubble removal
- ✓ Maximizes quality, productivity and consistency in R&D and manufacturing
- ✓ Compatible with high-viscosity binders, slurries, and high density nano-materials
- ✓ Optional cooling and heat-resistant adapters support a wider temperature range

Available Accessories



Disposable Cup



Ointment Container

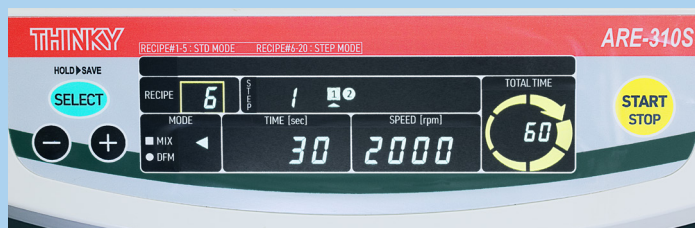


SUS Container



Syringe

Maximum
capacity**310 g**Standard
container**300 mL**
container

Vertical Alignment (VA) LCD panel & Impact sensor

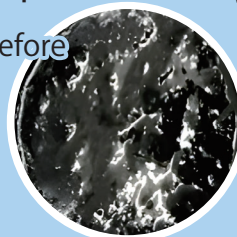
The intuitive operation interface and VA panel display the rotation speed in real time during operation, providing high visibility and high contrast.

Impact sensor

The addition of a shock sensor further improves safety during use.

Application Example**Preparation of Battery Slurry**

Before



After



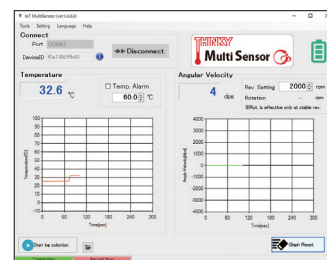
If the conductive material exhibits agglomeration or poor dispersion, the uniformity of electrical conductivity may be affected. Therefore, prior to coating, a THINKY MIXER is used to perform defoaming and dispersion to condition the material to an appropriate state.

Optional**ENs-10 Cooling System**

Dissipates excess heat for continuous ARE-310S-UL / ARE-310S-CE mixer operation

**Multi-Sensor**

Material temperature and speed can be measured in real time
Data transfer to PC via Bluetooth connection



Display image

Specifications

Product name		Planetary Centrifugal Mixer "THINKY MIXER"
Model		ARE-310S-UL / ARE-310S-CE
System		Planetary propeller-less mixing
Operation Time Setting		Timer setting range: 0 s to 30 min in 1 s increments
Programming Function		STD mode: 2 steps / 5 recipes (1~5 Std Mode) STEP mode: 10 steps / 15 recipes (6~20 Step Mode)
Revolution Speed	Mixing mode	STD mode 2000 rpm (fixed) STEP mode 0, 200 to 2000 rpm (Adjustable in 10-rpm increments)
	Defoaming mode	STD mode 2200 rpm (fixed) STEP mode 0, 400 to 2200 rpm (Adjustable in 10-rpm increments)
Rotation Speed	Mixing mode	Maximum of 800 rpm (Approx 0.4 revolution-to-rotation ratio)
	Defoaming mode	Maximum of 60 rpm (Approx 0.03 revolution-to-rotation ratio)

Standard Container*1		300 mL, 150 mL with adapter
Maximum Capacity*2		300 mL container: Net weight: Up to 250 mL / 250 g Gross weight: Up to 250 mL / 310 g 150 mL container: Net weight: Up to 120 mL / 200 g Gross weight: Up to 120 mL / 310 g
Power Supply	Voltage	UL: Single-phase AC 120 V $\pm$ 10 %, 50/60 Hz CE: Single-phase AC 230 V $\pm$ 10 %, 50/60 Hz
	Power Consumption	Approx. 50 VA (standby) Max 900 VA (operation)
Operating Environment		10 to 35 °C, 35 to 85 % RH (without condensation)
Safety Mechanism*3		Lid locking sensor, Lid sensor, Vibration sensor, Speed sensor
Unit Dimensions		H390 × W300 × D340 (mm)
Unit Weight		Approx. 21 kg

*1: Contact us because the actual volume of mixing may vary depending on the containers, materials, and conditions.

*2: Total mass to mount on the cup holder, including materials, containers, and adapters.

*3: Products are shipped and delivered in a locked state. Release the lock before use.

Product appearance/specifications may change without notice.

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Inquiry
Demo request



Sales agent