

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

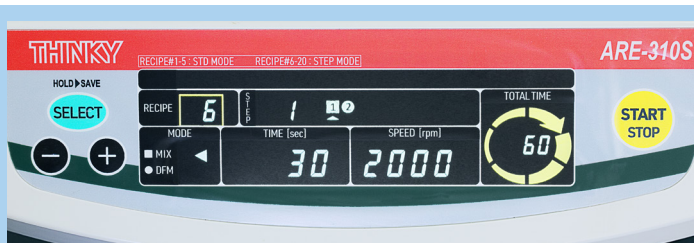
Maximum capacity

310 g

Standard container

300 mL
container

Vertical Alignment (VA) LCD panel & Impact sensor



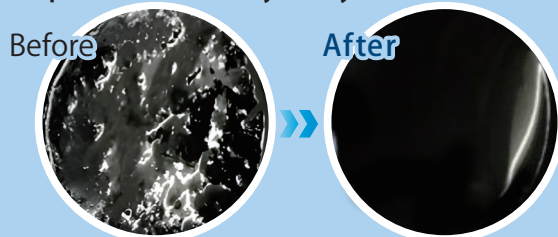
The intuitive operation interface and VA panel display the rotation speed in real time during operation, providing high visibility and high contrast.

Impact sensor

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

Application Example

Preparation of Battery Slurry



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

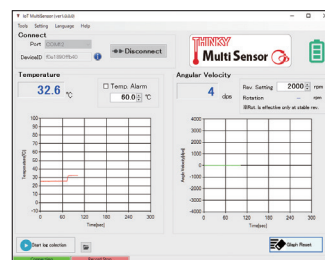
ENs-10 Cooling System

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 STEP mode: 10 steps / 15 recipes
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 ± 10%, 50/60 Hz CE: Single-phase AC 230 V ± 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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<https://www.thinkymixer.com/en-gl/>



Inquiry
Demo request



LinkedIn

Sales agent