

# State of the art twin System that can vary the rotation-revolution ratio

## ARE-400TWIN THINKY MIXER

<b>250ml</b> x2	<b>340gx2</b> <b>400gx2</b>	<b>Non-vacuum</b>	<b>400G</b>	<b>Adjustable</b>
Max processing volume	Max processing weight (Net weight) (Gross weight)	Pressure	Revolution acceleration	Rpm

The built in mechanism can vary the ratio of rotation, while the twin system is newly developed. Mixes and deaerates a maximum 500 ml / 800 g of material (gross). This machine can set and reproduce optimal recipes for materials whose temperature is hard to control because it can detect material temperatures in containers in real time during operation with the combined use of the newly developed sensor unit incorporating non-contact sensors (optional). A PC connector (USB Type B) is installed on the back of the unit as standard equipment, achieving parameter setting, rotations during operation and temperature monitoring.

### Features

- Rotation and revolution independent variable mechanism mounted
- Twin system, maximum capacity 250 ml / 400 g × 2 (gross)
- Mixing capacity can mix high viscosity material such as viscous grease with viscosity 4,000 Pa s
- Can use a sensor unit that can detect temperature of materials being mixed in real time (optional)
- Effective in setting recipes for materials that do not like temperature rise
- Through external PC connections, can display recipe settings, rotations during operation, and material temperature in real time (USB Type B standard equipment)
- Can remote control through external PC connections (optional RS485 terminal)

- Dimensions: H560 × W460 × D480 (mm)
- Weight: About. 70 kg
- Max processing volume with 300 ml containers:  
250 ml × 2 / 340 g × 2 (net)  
250 ml × 2 / 400 g × 2 (gross)



● The receiver of sensor is installed on the back of the lid.



● Operation panel displaying the material temperature (Enable to switch the mode from Operation time to material temperature on the display.)  
\*Display 23.3 °C in the picture



● 300ml container with optional sensor unit



● A PC connector (USB Type B) is installed on the back of the unit RS485 (left side), USB TypeB (right side)

# THINKY MIXER

## Planetary Centrifugal Mixer ARE-400TWIN



Mode	ARE-400TWIN		Max Processing Volume	Non-vacuum Condition	With 300 ml containers: 250 ml / 340 g × 2 (net*1) 250 ml / 400 g × 2 (gross*2)	Transport Locking Mechanism*3	1 on the unit rear
System	Rotation/revolution no-blade mixing			Vacuum Condition	_____	Others	Real-time temperature monitoring function*4, (used with dedicated sensor unit) LED lightstack*4, Emergency stop switch*4, RS485 connector*4, 150 ml container*4, 201 adapter*4, replacement rubber rings*4
Operation Time Setting	Timer setting range: 0 s to 30 min in 1 s increments		Vacuum System	_____		Unit Dimensions	H 560 × W 460 × D 450 (mm)
Continuous Operation Time	Max 30 min		Ultimate Vacuum	_____		Unit Weight	About. 70 kg
Programming Function	20 recipe profiles with 5 steps		Vacuum Trap Connection	_____		Accessories 1	Instruction Manual × 1 AC cable (including 3P adapter) × 1, HDPE 300 ml container × 6, PC Management Software (Allows you to easily set/manage number of revolutions/ number of rotations/operating time.) (Allows you to check the number of revolutions /processing/temperature on a PC in real time.) USB cable (TypeB) × 1
Revolution/ Rotation Speed (rpm)	Mixing Mode	Revolution: 0, 200 to 1600 rpm (adjustable) Rotation: 0, 200 to 1600 rpm (adjustable) Max up to 1:1 revolution-to- rotation ratio (In less than 600 rpm of revolution, rotation is set to a minimum of 200 rpm ; 0 rpm setup is impossible.)	Vacuum Pump Capability	_____			
	Deaeration Mode	_____	Power Consumption	Voltage: Single-phase AC 100 V ± 10 %, 50/60 Hz Power consumption: Approx. 50 VA (standby) Max 1400 VA (operation)			
			Operating Environment	5 to 35 °C, 35 to 85 % RH (Ensure no water condensation)			
			Safety Mechanism	Lid locking sensor, Lid sensor, Vibration sensor, Speed sensor			

\*1:Net weight refers to material weight excluding container and adapter. \*2:Gross weight refers to total weight of material, container and adapter. \*3:Products are shipped and delivered in a locked state. Release the lock before use. \*4:Option

## Line of Products

Planetary Centrifugal Mixers  
**THINKY MIXER**  
Series

Processing volume  
Large

Non-vacuum type

ARE-500

ARE-400TWIN

ARE-310

AR-100

SR-500  
Solder Paste exclusive use  
Solder Paste Mixer

Processing volume  
Small

Vacuum type

ARV-10kTWIN

ARV-3000TWIN

ARV-5000

ARV-930TWIN

ARV-310  
ARV-310LED

\* CE-Certified models

Planetary Centrifugal  
**Nano Pulverizer**

NP-100

Vacuum type  
**Syringe Chargers**

ARC-600TWIN

ARC-40H

- ...Planetary Centrifugal Mixers
- ...Planetary Centrifugal Vacuum Mixers
- ...Planetary Centrifugal Solder Paste Mixer
- ...Planetary Centrifugal Nano Pulverizer
- ...Vacuum Syringe Chargers