

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

ARE-400TWIN THINKY MIXER









Revolution acceleration

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 Pas
- 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 temperaturerise
- 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

 $250 \text{ ml} \times 2 / 340 \text{ g} \times 2 \text{ (net)}$ 250 ml × 2 / 400 g × 2 (gross)







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



 Operation panel displaying the materila temperature (Enable to swich the mode from Operation time to material temp- erature on the display.)
*Display 23.3 °C in the picture



300ml container with optional



 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

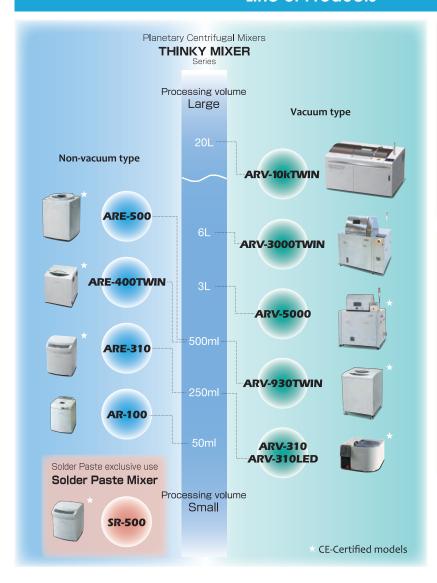
Mode		ARE-400TWIN
System		Rotation/revolution no-blade mixing
Operation Time Setting		Timer setting range: 0 s to 30 min in 1 s increments
Continuous Operation Time		Max 30 min
Programming Function		20 recipe profiles with 5 steps
Revolution/ Rotation Speed (rpm)	Mixing Mode	Revolution: 0, 200 to 1600 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.)
	Deaeration Mode	

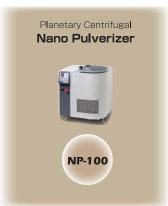
	Max Processing Volume	Non-vacuum Condition	With 300 ml containers: 250 ml / 340 g × 2 (net*1) 250 ml / 400 g × 2 (gross*2)
		Vacuum Condition	
	Vacuum System		
	Ultimate Vacuum		
	Vacuum Trap Connection		
	Vacuum Pump Capability		
	Power Consumpion		Voltage: Single-phase AC 100 V ± 10 %, 50/60 Hz Power 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

Transport Locking Mechanism*3	1 on the unit rear
Others	Real-time temperature monitoring function*4, (used with dedicated sensor unit) LED lightstack*4, Emergency stop switch*4, R\$485 connector*4, 150 ml container*4, 201 adapter*4, replacement rubber rings*4
Unit Dimensions	H 560 × W 460 × D 450 (mm)
Unit Weight	About. 70 kg
Accessories 1	Instruction Manual ×1 AC cable (including 3P adapter) ×1, HDPE 300 ml container × 6, PC Management Software (Allows you to easily sel/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
Accessories 2	L-shaped wrench(for M6) × 1, Key to unlock door if power is lost × 1

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