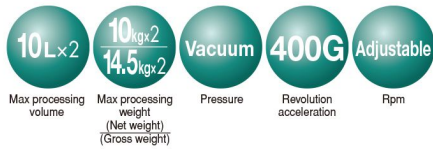


This machine supports mass production with a maximum 20L capacity achieving the performance of laboratory models

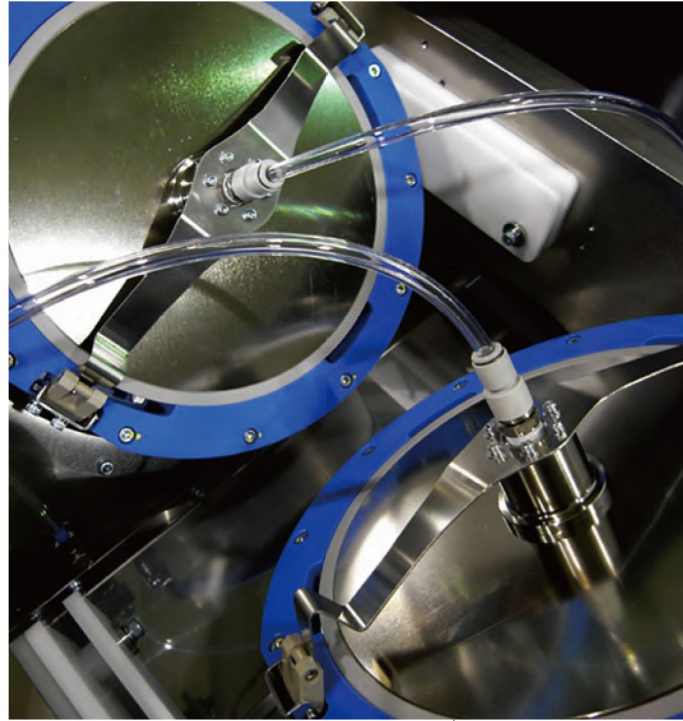
# ARV-10kTWIN THINKY MIXER



Twin-mixer system achieves a capacity of 20 L, aimed for production. Vacuum pressure reduction system that enables elimination of submicron-level air bubbles is included, simultaneously processing even mixing and deaeration. Designed to provide the mixing performance equivalent to the laboratory models ARE-310 and ARV-310, it maintains the material quality achieved in your laboratories and enables mass-production with no fuss and in a short period of time. In addition, the variable rotation/revolution ratio mechanism included as standard equipment supports detailed parameter settings in accordance with the properties of the material. Consider that the technology can not only start mass-production of new material, but also can contribute to improving the production efficiency, materials quality and cost of your existing mass-production line.

### Features

- The maximum of 20 L of material can be simultaneously mixed and deaerated.
- The vacuum pressure reduction mechanism provides submicron-level deaeration.
- By means of the in-cup-holder vacuum pressure reduction mechanism, pressure reduction and air release time are drastically reduced.
- By way of the variable rotation/revolution ratio mechanism, parameter settings in accordance with material properties are achieved.
- Supports processing at atmospheric pressure, enabling processing of materials with volatile components.
- No overflow of materials during operation.
- With unique heat dissipating construction, supports continuous operation during mass production.
- By using adapters, achieves processing with various containers.



- Dimensions: H1,050 × W1,900 × D1,370 (mm)
- Weight : About. 1500 kg
- Max processing volume with 10 L SUS containers:  
10 L / 10 kg × 2 (net)  
10 L / 14.5 kg × 2 (gross)



● Control panel



● Accessory:  
10L SUS Containers



● Option (Raku-Raku Hand)

## THINKY MIXER

### Planetary Centrifugal Vacuum Mixer **ARV-10kTWIN**



Mode	ARV-10kTWIN		Max Processing Volume	Non-vacuum Condition	With the specially designed 10L SUS containers: 10L / 10 kg × 2 (net*1) 10L / 14.5 kg × 2 (gross*2)	Safety Mechanism	Lid locking sensor, Lid sensor, Vibration sensor, Speed sensor
System	Vacuum Rotation/revolution no-blade mixing			Vacuum Condition		Vacuum System	Vacuum system within container holder
Operation Time Setting	Timer setting range: 1 s to 30 min in 1 s increments		Ultimate Vacuum		0.1 kPa / Approx. 0.75 Torr (set value)		Others
Continuous Operation Time	Max 30 min		Vacuum Trap Connection		Depending on specifications	Unit Dimensions	H 1050 × W 1900 × D 1370 (mm)
Programming Function	20 recipe profiles with 10 steps		Vacuum Pump Capability		Pump capacity: 200 liters/minute	Unit Weight	About. 1400 kg
Revolution/Rotation Speed (rpm)	Mixing Mode	Revolution: 200 to 800 rpm Rotation: 0 to 350 rpm (Although always below orbital speed)		Power Consumption		Accessories 1	Instruction Manual × 1, Power cable × 1, Standard container: SUS container × 2, others: Depending on specifications
	Deaeration Mode	_____		Voltage: Three-phase AC 200 V ± 10 %, 50/60 Hz Power consumption: Max 27 kVA (Max 100 A)			
			Operating Environment		5 to 35 °C, 35 to 85 % RH (Ensure no water condensation)	Accessories 2	Vacuum pump oil, Others (depending on specifications)

\*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.

## Line of Products

Planetary Centrifugal Mixers  
**THINKY MIXER**  
Series

Processing volume  
Large

**Non-vacuum type**

- ARE-500**
- ARE-400TWIN**
- ARE-310**
- AR-100**

Solder Paste exclusive use  
**Solder Paste Mixer**

- SR-500**

Processing volume  
Small

**Vacuum type**

- ARV-10kTWIN**
- ARV-3000TWIN**
- ARV-5000**
- ARV-930TWIN**
- ARV-310**
- ARV-310LED**

Processing volume

20L

6L

3L

500ml

250ml

50ml

Planetary Centrifugal  
**Nano Pulverizer**

**NP-100**

Vacuum type  
**Syringe Chargers**

**ARC-40H**

**ARC-600TWIN**

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

★ CE-Certified models