

Planetary Centrifugal Vacuum Mixer

# THINKY MIXER ARV-931TWIN



## Manufacturing application mixer that can vacuum process a maximum 1L of materials with twin mixer system

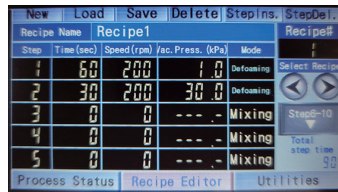
- ✓ THINKY's original cup holder design minimizes space and significantly reduces time to reach and release vacuum
- ✓ With the specified container, a maximum of 550 ml/930 g x 2 (gross weight) materials can be mixed and defoamed.
- ✓ Ease of the touch operation
- ✓ PC connectivity enables traceability
- ✓ Adapters for various containers are available

Maximum  
capacity**930g**  
×2Standard  
container**550 & 750ml**  
HDPE  
container

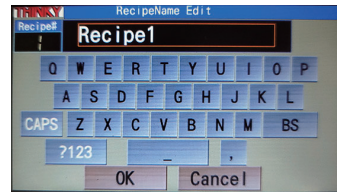
## Operation screen of touch panel



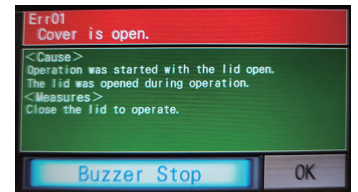
Screen of operation control



Screen for editing recipe

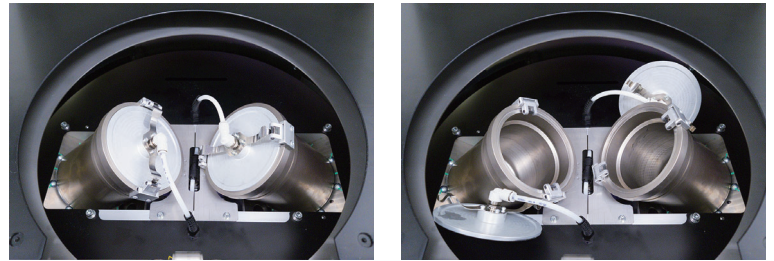
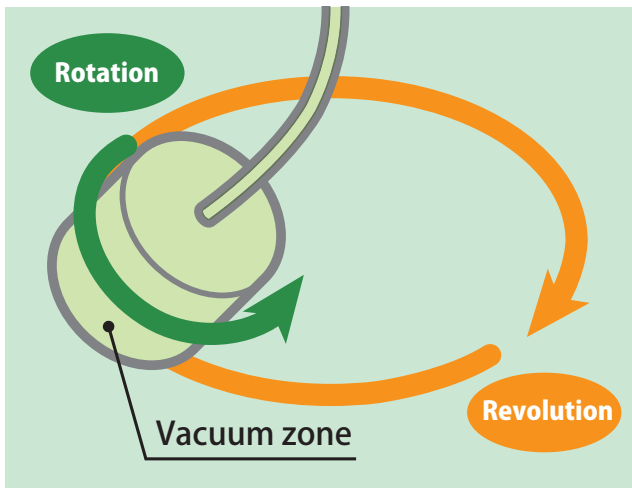


Screen for recipe-name input



Example of alarm display

## Cup Holder Vacuum System



	Cup Holder Vacuum System (ARV-931TWIN)	Chamber Vacuum System
Vacuum pressure reduction speed	○	△
Air bubbles elimination	○	○
Material spillage	○	○

## Specifications

Product name	Planetary Centrifugal Vacuum Mixer "THINKY MIXER"
Model	ARV-931TWIN
Method	Vacuum-type, planetary, propeller-less mixing
Time Setting range	0 s to 30 min in 1 s increments
Programming Function	10 steps / 20 recipes
Revolution speed (rpm)	<b>Mixing Mode</b> Max. 1400 rpm (0 rpm and 200-1400 rpm) <b>Defoaming Mode</b> Max. 1800 rpm (0 rpm and 200-1800 rpm)
Rotation speed (rpm)	<b>Mixing Mode</b> Max. 700 rpm (following by 1/2 speed of revolution) <b>Defoaming Mode</b> Max. 54 rpm (following by 1/33.3 speed of revolution)
Max. Mixing Volume *1	930 g x 2

Standard Container *2	Inner volume: 750 ml and 550 ml Material: HDPE
Vacuum System	Vacuum system within cup holder
Ultimate Vacuum	0.60 kPa (approx. 5 Torr) (using epoxy 300g) *3
Power Supply	<b>Voltage</b> Single phase AC200V±10%, 50/60 Hz <b>Power consumption</b> During standby: approx. 120 VA During operation: max. 4400 VA (excl. at the time to start)
Operating Environment	<ul style="list-style-type: none"> <li>• 10-35°C, 35-80% RH (without condensation)</li> <li>• Within 2000 m of altitude</li> <li>• Excessive vibrations or impact must be avoided.</li> <li>• Keep away from the rain, dust and other fine particles, or chemicals.</li> </ul>
Unit Dimensions	900 mm (H) × 660 mm (W) × 670 mm (D)
Unit Weight	Approx. 240 kg

If the UNIT is in an environment where the ambient temperature is below 10 °C for a long time, the vacuum pump oil will be solidified and the pump will be damaged. If solidification occurs, leave the UNIT at normal temperature for a while before use.

\*1: Maximum mixing volume (gross weight) = container + materials

\*2: Please contact us for more information since the actual mixing volume may vary depending on materials and operating conditions, etc.

\*3: Avoid depressing to below the saturated vapor pressure of water or the organic solvent contained in the material.

Product appearance/specifications may change without notice.

## THINKY CORPORATION

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Sales agent