

Planetary Centrifugal Vacuum Mixer

THINKY MIXER

ARV-931TWIN CE



**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
×2

Standard
container

550 & 750ml
HDPE
container

Operation screen of touch panel



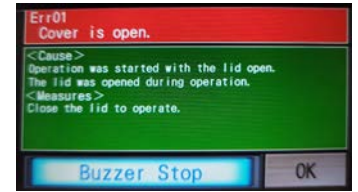
Screen of operation control



Screen for editing recipe

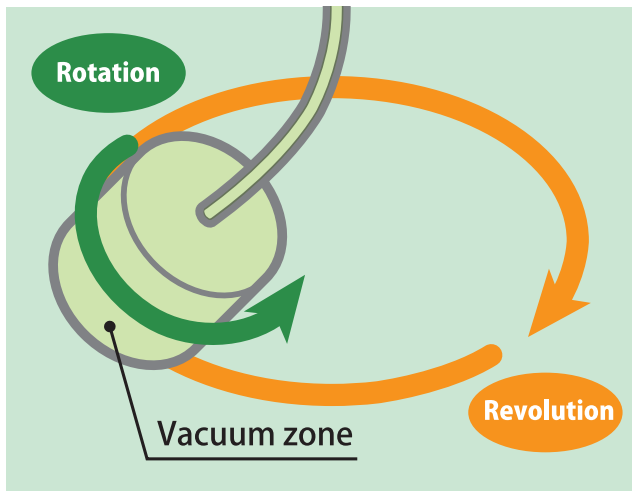


Screen for recipe-name input



Example of alarm display

Cup Holder Vacuum System



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

Specifications

Product name	Planetary Centrifugal Vacuum Mixer "THINKY MIXER"
Model	ARV-931TWIN CE
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)	Mixing Mode Max. 1400 rpm (0 rpm and 200-1400 rpm) Defoaming Mode Max. 1800 rpm (0 rpm and 200-1800 rpm)
Rotation speed (rpm)	Mixing Mode Max. 700 rpm (following by 1/2 speed of revolution) Defoaming Mode 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	Voltage 3 phase AC220V±10%, 50/60 Hz Power consumption During standby: approx. 120 VA During operation: max. 4400 VA (excl. at the time to start)
Operating Environment	<ul style="list-style-type: none"> • 10-35°C, 35-80% RH (without condensation) • Within 2000 m of altitude • Excessive vibrations or impact must be avoided. • Keep away from the rain, dust and other fine particles, or chemicals. • Pollution degree: 2 (IEC60664 1). • Overvoltage category of the power source: Category III (IEC60664 1).
Unit Dimensions	900 mm (H) × 660 mm (W) × 820 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

Headquarters: 2-16-2 Sotokanda, Chiyoda-ku, Tokyo 101-0021
Phone: +81-3-5207-2713 Fax: +81-3-5289-3281

THINKY USA Inc.: 23151 Verdugo Drive, Suite 112 Laguna Hills, CA 92653, USA

THINKY CHINA: East building, HaiAn Kafunuo Mansion, Shennan road,
Qianhai road, Nanshan district, Shenzhen

<https://www.thinkymixer.com/en-gl/>

Sales agent

intertronics

adhesives, coatings, sealants & equipment
for your manufacturing and technology applications

t 01865 842842

e info@intertronics.co.uk

www.intertronics.co.uk

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