



ARV 930-TWIN
THINKY MIXER

POLY DISPENSING SYSTEMS
S Y S T E M E S D E D O S A G E I N D U S T R I E L

This product employs a twin mixer system, and supports manufacturing application with the capacity to process a maximum 1L of materials. It is equipped with a vacuum function in order to achieve deaeration at the submicron level, thus it is possible to process uniform mixing and dispersion as well as deaeration at the same time.

It has two deaeration modes as standard features: one is vacuum deaeration mode which combines 400G centrifugal force and vacuum, and the other is Non-Vacuum deaeration mode which utilizes powerful centrifugal force of maximum 670G.

This enables high precision deaeration even with materials that contain a volatile component that is not suitable for vacuum deaeration. Furthermore, time to reach vacuum is significantly reduced by adopting our unique in-cup-holder vacuum pressure reduction system that minimizes the vacuum volume.

- **Powerful mixing by 400G**

Simple operation can mix and deaerate
max. 1L Material

Capable of 400G acceleration with 750
ml x 2 containers

- **Optional mode of vacuum or defoaming mode**

Defoaming mode realizes the deaeration
of volatile materials. Powerful defoaming
by 660G acceleration.



Specification

Name of Commodity	Planetary Centrifugal Mixer THINKY MIXER
Model	ARV-930 TWIN
Max Mixing Capacity	Maximum Batch Capacity / 500ml x 2
Max Mixing Mass	Maximum Batch Capacity / 930 g (gross weight x 2)
Standard Container	750 ml container x 2 (HDPE)
Mixing Mode * 1	Revolution Speed Max 1400rpm (0rpm, 200rpm _ 1400rpm/ 10rpm unit) Rotation Speed Max 700rpm (Follows 1 /2 of Revolution Speed) Revolution Max G : 400G
Mixing Mode * 2	Revolution Speed Max 1800rpm (0rpm, 200rpm _ 1800rpm/ 10rpm unit) Rotation Speed Max 54rpm (Follows 3 /100 of Revolution Speed) Revolution Max G : 660G
Vacuum Defoaming	Available with operating mode * 1 and * 2. Defoaming operation is available at the speed of 0 rpm
Max Vacuum	0.67KPa
Vacuum Chamber	Cup holder vacuum
Program Memory	9 memories , (each memory can control 9steps)
Safety Function	Door close sensor, Vibration sensor, Speed sensor, Emergency Stop Button, Operation situation are watched by every sensor.
Power Supply	3 phase, AC220V \pm 10%, 50/60Hz
Operating Environment	10_35°C, 35 _85%RH (No condensation)
Dimensions	900 Hx 760 W x 820 D
Machine Mass	Approx 220 Kg

Features of ARV-930 TWIN

- 1** ARV-930TWIN can mix, disperse and deaerate at the same time by powerful centrifugal force 660G + vacuum
- 2** Applicable for production volume. Max 500 ml (x2) in 750ml container can be processed under vacuum condition.
- 3** Twin cup mixing system can process 1litter at once
- 4** Defoaming mode is available on vacuum mixer. ARV-930TWIN carries both vacuum and non-vacuum defoaming mode.
- 5** Cup holder vacuum offers big advantages; temps ; contamination, time
- 6** Variety of cups are set with custom design adapter even small volume

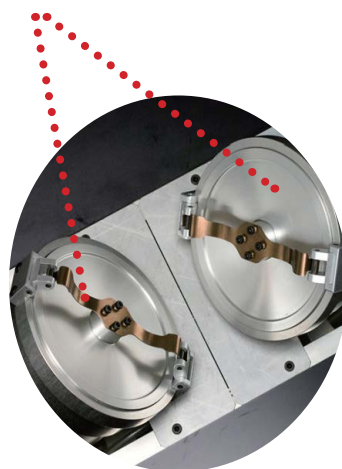
Thinky Original cup holder vacuuming

Conventional chamber vacuuming has heating issues

Merit

- Short pumping time
- Air cooling by Revolution
- Cold Air cooling (option)
- Less contamination

750ml containers are set in the holders





Ease of Operation

« Mixing mode Max. 1400 rpm (400G) », « Defoaming mode Max 1800rpm (approx. 660G) » can be set 10rpm Increment.

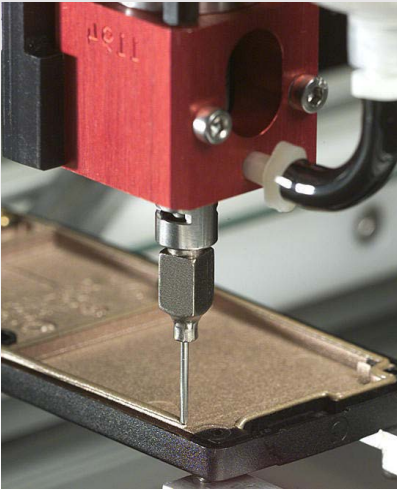
Vacuum can be set ambient _ 0.67Pa 0.1kPa Increment

Step performing

Up to 9 steps can be set in each memory

Memory

9 memories are available. Loading by one key



PDS S.A.S is a french company that commercializes a wide range of dosage equipments, proven and effective.

Distributed in over 20 countries around the world, these equipments provide tailored solutions to many users in order to improve technically their manufacturing and reduce their productions costs.

Our collaborators and sales engineers all have a strong technical competences. They are able to answer your questions and offer you, after analysis, the right solution for your particular need

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