

THINKY ARV-5000 Planetary Centrifugal Mixing and Vacuum Degassing Machine



Description

The **THINKY ARV-5000** is an industrial non-contact “planetary” mixer for the centrifugal vacuum mixing of all engineering compounds. It mixes, disperses and degasses your materials in seconds to minutes, in a sealed or lid-less container such as a jar, beaker, syringe tube or cartridge. The ARV-5000 holds up to a 5000g material container. The non-contact mixing principle makes it possible to formulate compounds from very small amounts such as 0.5ml to large production scales.

Caution must be taken to prevent foaming and messy overflows when manually degassing using vacuum. In the THINKY, materials don’t overflow because they are pressed to the side wall of the container during the simultaneous mixing procedure.



Features & Benefits

THINKY ARV-5000 Planetary Centrifugal Mixing and Vacuum Degassing Machine

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Normal vacuum degassing
after mixing



Rotation, revolution & vacuum
mixing

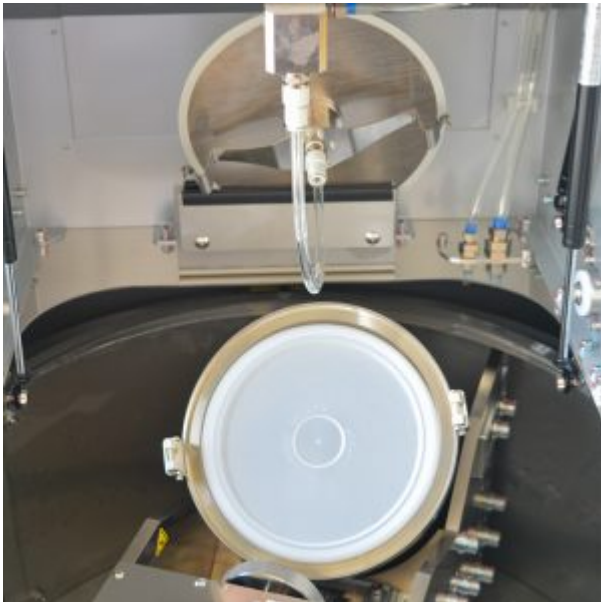
- Fast mixing
- Degas and remove bubbles at the same time
- Mix in your product container
- Non-invasive
- From low viscosity to semi-solid materials
- Dry particle mixing
- Syringe degassing
- No cleaning between batches
- Consistent quality with all digital controls

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- Multi-step mixing
- Hands-free processing
- CE marked

Applications



Our customers use the mixer to formulate and mix a multitude of different products including:

- adhesives

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- sealants
- moulding compounds
- lubricants
- slurries
- coatings
- inks
- paints
- abrasives
- bio-chemicals
- cements
- medical compounds
- cosmetics/personal care materials
- detergents
- conductive pastes
- dental materials
- foods
- construction materials
- any other materials which are hard to mix, hard to degas, or hard to wet

THINKY ARV-5000 Planetary Centrifugal Mixing and Vacuum Degassing Machine



After mixing – completely homogeneous (2000rpm @ 0.7kPa for 5 minutes)



After curing – 100x magnification (2000rpm @ 0.7kPa for 5 minutes)

Specifications


| Specification |
|---------------|
|---------------|

**THINKY ARV-5000 Planetary Centrifugal
Mixing and Vacuum Degassing Machine**



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|--|--|
| Maximum mixing volume – Atmospheric pressure | 4000ml container: 3000ml / 4,700g (5,000g gross) |
| Maximum mixing volume – Vacuum operation | 4000ml container: 3000ml / 4,700g (5,000g gross) |
| Maximum centrifugal power | 400G |
| Revolution speed | 200-800rpm |
| Revolution to rotation ratio | 0.75 (fixed) |
| Vacuum pressure | Programmable in torr or kPa to a maximum of 5 torr in 1 torr increments |
| Time to reach full vacuum state | From 30 seconds |
| Program memory | 10 recipe profiles each with 10 steps |
| Processing time | Up to 30 minutes per recipe profile with steps programmable in 1 second increments |

Other Information

| | |
|--|---|
|  | Getting to know THINKY Mixers Download a presentation which describes how THINKY Mixers work, and what benefits they can deliver to you. |
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Our [Technical Bulletins](#) page has links to:

- Technical Bulletin: [Vacuum Mixing & Degassing](#)

Ordering Information

| Part number | Description |
|-------------|-------------|
|-------------|-------------|

THINKY ARV-5000 Planetary Centrifugal Mixing and Vacuum Degassing Machine



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|-------------|--|
| THIARV-5000 | THINKY Mixer ARV-5000 Mixing and Vacuum Degassing Machine |
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Let’s start by talking about your application

THINKY ARV-5000 Planetary Centrifugal Mixing and Vacuum Degassing Machine

THINKY



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842842



orders@intertronics.co.uk

- Name*
- Company*
- Phone*
- Email*
- Post code*

If you're in the UK, knowing your postcode would help us get in touch even more quickly. If you're outside the UK, please indicate your country.

-
- Tell us about your application

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Any information that you submit using this form will be processed according to our [privacy policy](#).

Phone

This field is for validation purposes and should be left unchanged.

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Supplied by:



INTERTRONICS
12a Station Field Industrial Estate, Banbury Road, Kidlington
Oxfordshire England OX5 1JD
t 01865 842842 e info@intertronics.co.uk

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