

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.

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Normal vacuum degassing
after mixing



Rotation, revolution & vacuum
mixing

Features & Benefits



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

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Applications



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



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

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

- adhesives
- sealants
- moulding compounds

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- 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

Specifications

Specification	
Maximum mixing capacity	5kg / 3 litres in vacuum state or 4 litres in the air state without vacuum

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Specification	
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

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

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

Ordering Information

Part number	Description
THIARV-5000	THINKY Mixer ARV-5000 Mixing and Vacuum Degassing Machine

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Next Steps

Our technical sales team are on hand to discuss your application requirements. [Click here](#) to get in touch.

Find out more information on [how to purchase](#).

Supplied by:

intertronics

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