

THINKY mixers prove successful in battery slurry formulation

We have recently had excellent feedback from several of our customers on the success of THINKY mixers for their research and development and small-scale production of *battery slurries*. The growing demand for lithium-ion batteries has inspired businesses to develop electrode slurry materials, including optimisation of formulations. The slurry consists of electrode particles, small carbon particles to help conduction and binder material (polymer and solvent) to hold the structure together. The concentration of particles in the slurry is high, typically representing between 20-40% of the total by weight, and getting a consistent, even mix and dispersion is important.

THINKY mixers are industrial non-contact planetary mixers for all liquids, pastes, powders and fillers, and any combination of these. This includes engineering compounds, pharmaceutical or cosmetic formulations and nano-particle dispersions.

THINKY Mixers can mix, disperse and degas your materials in seconds to minutes, in a sealed or lidless container. The non-contact mixing principle makes it possible to formulate or combine compounds from very small amounts such as 0.5ml to large production scales. By means of both rotation and revolution, materials are mixed and degassed. The materials are under an acceleration of 400G, and even materials of very high viscosity can be mixed and deaerated or degassed at the same time.

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THINKY ARE-250 Mixing and Degassing Machine,

Conditioning Planetary Mixer

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Last updated: February 2019

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