Thinky mixers and precision dosing at Making Pharmaceuticals Exhibition, 24-25th April 2018, Coventry

The mixing together of liquids, pastes, powders and fillers is a critical process in many sectors, not least in pharmaceutical and cosmetics R&D and production. Getting a fully homogeneous bubble-free mix of materials, especially those with different forms or viscosities, is of paramount concern. Speed and repeatability of the pharmaceutical mixing process will aid productivity and deliver consistent quality.

On our **Making Pharmaceuticals** stand no. 108 (24-25th April 2018 at Ricoh Arena, Coventry), the range of **Thinky mixers** on show offers non-invasive mixing in a repeatable controlled planetary process which works effectively with quantities of 10ml on up. Mixers such as the **Thinky ARE-250** compact desktop unit or the freestanding **Thinky ARV-10KTWIN** can mix different fluid viscosities and powders into liquids without the inclusion of air. Some of the Thinky models have integral vacuum removing micro-bubbles from the mix. The machines give repeatable, consistent, homogeneous results for laboratory or production use.

The newly launched **Thinky ARM-310** entry-level mixer will be on display – starting at under £5,000 this offers a superior alternative to manual mixing with simple operation and consistent results in a package that sits easily on the laboratory bench-top.

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Nanoparticles are being developed for a range of healthcare product applications including drug delivery, controlled release systems, diagnostics and medical devices. Thinky nanotechnology includes the **Thinky NP-100 Nano Pulveriser** for breaking up particles using impact fragmentation, taking larger particles down to nano-size, and the **Thinky PR-1 Nanoparticle Dispersion Machine** for nanoparticle dispersion and deagglomeration of CNT, graphene and other 2D nanomaterials.

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Precision dosing equipment on our stand will be addressed with the **preeflow volumetric pump technology**, delivering precisely repeatable quantities into the manufacturing process or into vials and other packaging containers under manual or automated control. The preeflow eco-PEN system uses a progressive cavity pump principle which doses and dispenses a wide range of material viscosities with no stress to the material, and with full control. They can be integrated into semi-automated and fully automated systems with the smallest unit offering a minimum dose from 0.001 ml (1µl) and the largest unit providing a maximum flow rate of 32 ml/min.

Come and see us at the show!

Supplied by:

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Last updated: March 2018