BioSpectrum
the business of Bio & Health Sciences
ASIA EDITION

Korean FUST Lab's DEBREXÃ?Â Nano-Emulsion/Dispersion equipment enters JapanÃ?Â market

January 16, 2024 | News

Dispersion/emulsification technology is a key technology used in cosmetics and pharmaceuticals industries



Korean spin-off company from the Korea Research Institute of Standards and Science, FUST Lab's DEBREX Nano-Emulsion/Dispersion equipment enters Japan market to explore collaberation and distribution. FUST Lab is a technology-based Korean startup developing highly uniform nanoscale dispersion/emulsification technologies without surfactants, utilizing its original innovative ultrasonic technology.

FUST Lab, a Dispersion/emulsification technology (technology for mixing two or more immiscible substances) is majorly adopted in various cosmetics, pharmaceuticals, specialty and functional coatings, secondary batteries, and chemicals productions.

Dispersion/emulsification technology is specialised in uniformity and stability—keeping the well mixed/dispersed state for a long time—because it has a great influence on the overall performance of products. Surfactant-free dispersion/emulsification facilitates the production of low-viscosity materials, thus allowing a development of high-content/high-functional and eco-friendly products.

As of 2023, FUST Lab launched DEBREX lab-scale (LAB) and small-scale (SS) equipment capable of achieving surfactant-free and uniform nano-emulsions/dispersions. FUST Lab is high in demand in Korean cosmetics and pharmaceutical companies and is currently holding collaboration discussions with several large Japanese companies, including Mitsubishi Chemical, Nippon Paint, and Nikko Chemical and thus penetrating into local distributorship.