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Analytik contact:
Ksenia Semina, +44(0)759 571 0508

Media contact:
Jezz Leckenby, +44(0)1799 521881

Analytik now represent Microfluidics Corporation in the UK and Ireland for their range of Microfluidizer® high shear fluid processors.

Cambridge, UK, 16th December 2014: Analytik, leading suppliers of innovative analytical instrumentation, announce representation of Microfluidics Corporation for the UK and Ireland market. Microfluidics, part of IDEX Corporation, is the manufacturer of unique high shear fluid processors, known as Microfluidizers, that can produce dispersions & emulsions of very tight particle size distributions, effectively de-agglomerate particles and disrupt cells in suspension.

Analytik are delighted to announce their partnership with Microfluidics Corporation (Westwood, MA, USA) for distribution and support of their Microfluidizer® fluid processors in the UK and Ireland. Microfluidics' instruments are highly regarded in nano-enabled applications for uniform particle size reduction, cell disruption and bottom-up nanoparticle creation. With scale-up guaranteed, it is not surprising that 17 of the top 20 global pharmaceutical companies have adopted Microfluidics' technology for their processes among many companies in different industries.

Speaking about their new partnership, Analytik's Product Specialist, James Anderson, provides background. "Microfluidics' products complement our CPS Disc Centrifuge particle size analyser that utilises Differential Centrifugal Sedimentation (DCS). The CPS is one of the few instruments that can show the true results of any fluidic particle size reduction process. As such, it is ideal for proving Microfluidics' performance advantages over the competition and allowing customers fine control over their particulate systems. This is particularly the case where solid particle dispersions are concerned."

Continuing, James says "historically, Microfluidics is very strong in markets where scaling up from research and development to full-scale production is required; this transition is guaranteed by the operating principals of the instruments. The main markets are the pharma (emulsions, API suspensions), chemicals (pigments, nanoparticles), biotech (cell disruption) and food (emulsions) industries; and also academic/commercial research."

From a product perspective looking at the benefits of the range, guaranteed scale-up is extremely important to users (the same interaction chambers are used from 1 ml to thousand litre batches). Microfluidizers achieve the highest commercially available shear rate under a constant pressure profile. This results in the products having very consistent, repeatable and narrow particle size distributions. Compared to other high shear technologies, less passes are required to achieve the same or better results, saving money through reduced energy consumption and faster processing.

To find out more about the products from Microfluidics Corporation, visit:

<http://www.analytik.co.uk/high-shear-fluid-processing.htm>.

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Attachment:



The LM10 Microfluidizer® high pressure lab homogeniser

For a high resolution copy of the image, either right click to download or contact Jezz Leckenby at Talking Science.

About...Analytik are leading suppliers of innovative analytical instrumentation to the UK and Ireland. Delivering cutting-edge solutions from global technology providers, coupled with responsive service and flexibility has enabled Analytik to build an impressive customer base since forming in 2003. Analytik's partners include Agilent Technologies, ASD Inc.(a PANalytical company), SciAps, GL Optic, GeSiM, CPS Instruments, Microfluidics Corporation, Videometer and Schmidt + Haensch. Solutions include portable and handheld spectrometers (FTIR, NIR & Raman), spectral imaging systems, light measurement systems, non-contact nanolitre dispensing systems, nanoparticle size analysers, polarimeters and refractometers.

For further information: Please contact Analytik direct or their marketing agency:

Analytik Limited
2 Cygnus Business Park
Middle Watch, Swavesey
Cambridge CB24 4AA
T +44(0) 759 571 0508
F +44(0) 870 135 2488
www.analytik.co.uk
ksema.semia@analytik.co.uk

Talking Science Limited
39 de Bohun Court
Saffron Walden
Essex CB10 2BA UK
T +44(0)1799 521881
M +44(0)7843 012997
www.talking-science.com
jezz@talking-science.com