



NEWS RELEASE

Software a significant factor in NSL Analytical Services' choice of Mastersizer 3000 to bring particle sizing in house

31 October 2013: Malvern, UK: A refreshingly modern and inviting operating environment led independent, commercial materials testing laboratory NSL Analytical Services (Cleveland, US), straight to the Mastersizer 3000 from Malvern Instruments when it came to choosing a laser diffraction particle size analyzer to extend testing capabilities.

"The software really is the shining star of this product," said Brian Bacher, Technical Specialist at NSL. "It makes the Mastersizer 3000 feel radically different from other systems on the market and a really great instrument to use. I especially like the live trends which make it so quick and easy to compare data sets" he continued.

NSL provides physical material testing to multiple verticals including the aerospace, ceramics and powder metallurgy industries. Particle size and particle size distribution are critical, performance-defining variables for many. In the past, NSL met the associated need for particle size analysis through an out-sourced service but with growing demand, the decision was taken to bring this increasingly important analytical method in-house.

"Our customers need particle size and particle size distribution data to optimize their products and the processes used to manufacture them." continued Mr. Bacher. "We made the decision to invest in our own laser diffraction particle size analyzer to ensure fast and efficient turnaround in the face of growing demand. Throughout the research and purchasing process, we assessed at least five to six different systems before selecting the Mastersizer 3000," he concluded.

The Mastersizer 3000 was the newest laser diffraction system assessed by the NSL Analytical Services team, a factor that was most evident from the software interface. Recently celebrating its second birthday, the instrument sets the standard for laser diffraction particle sizing. With a small footprint and dynamic range of 0.01 to 3500 microns it efficiently delivers precise and robust wet and dry particle sizing for the broadest selection of sample types. The innovative software was designed from the outset to ease the analytical burden and ensure that users of all levels could achieve reliable measurement. It includes features that inform method development and transfer as well as making it straightforward to verify measurement stability in real time.

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Software a significant factor in NSL Analytical Services' choice of Mastersizer 3000 to bring particle sizing in house../2

Adds Bacher, "Malvern came recommended by colleagues in the industry but it was the features of the Mastersizer 3000 itself that sold us on the instrument. It enables us to meet our customers' needs for particle size information in an efficient way and has met our high expectations. We've been running for a year now without any reliability issues and with minimal running costs. Most importantly we produce data that can be trusted."

To find out more about NSL Analytical Services visit www.nslanalytical.com

To find out more about the Mastersizer range, including the new Mastersizer 3000 anniversary software updates, visit the Malvern Instruments website at www.malvern.com

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**High resolution image attached or available from Luke Newman,
Kapler Communications luke.newman@kapleronline.com Ref: MAL/JOB/2763**

CAPTION: NSL Analytical Services use the Mastersizer 3000 from Malvern Instruments to extend testing capabilities



About Malvern Instruments

Malvern provides the materials and biophysical characterization technology and expertise that enables scientists and engineers to understand and control the properties of dispersed systems. These systems range from proteins and polymers in solution, particle and nanoparticle suspensions and emulsions, through to sprays and aerosols, industrial bulk powders and high concentration slurries. Used at all stages of research, development and manufacturing, Malvern's materials characterization instruments provide critical information that helps accelerate research and product development, enhance and maintain product quality and optimize process efficiency.

Our products reflect Malvern's drive to exploit the latest technological innovations and our commitment to maximizing the potential of established techniques. They are used by both industry and academia, in sectors ranging from pharmaceuticals and biopharmaceuticals to bulk chemicals, cement, plastics and polymers, energy and the environment.

Malvern systems are used to measure particle size, particle shape, zeta potential, protein charge, molecular weight, mass, size and conformation, rheological properties and for chemical identification, advancing the understanding of dispersed systems across many different industries and applications.

Headquartered in Malvern, UK, Malvern Instruments has subsidiary organizations in all major European markets, North America, China, Japan and Korea, a joint venture in India, a global distributor network and applications laboratories around the world. www.malvern.com

Contact details follow...

**Software a significant factor in NSL Analytical Services' choice of
Mastersizer 3000 to bring particle sizing in house.../3**



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