Press release

Cambridge, UK, February 17th 2015

Heraeus Noblelight Relocates Arc & Flashlamp Laboratory to Cambridge

Facilitating Growth Into New Technology Areas

Heraeus Noblelight has moved its applications laboratory from the Technical University of Kaiserlautern, in Germany, to Cambridge, the headquarters and manufacturing facility of its Arc and Flash division where it will provide expert resource in developing Xenon flash lamp technology to meet the latest industrial challenges.

The laboratory has been located in Germany for the past 18 years, where it has achieved a reputation as a centre of excellence under the guidance of Professor Dr Uwe Krönert. Its main focus has been the development of Xenon and Krypton Arc and Flash lamps, using sophisticated measurement techniques to acquire greater understanding of flash lamp technology and to provide Heraeus customers with a capability to assess the quality, performance improvements and suitability of flash lamps for different applications. Historically the main application focus was flash lamps for Solid State Laser pumping and Intense Pulse Light. However, more recently, the lab's activities have been directed increasingly towards new applications of Xenon flash technology in the industrial sector.

As Jeremy Woffendin, Technical Director of Heraus Noblelight explains, "Flash lamps, which deliver targeted high power radiation, from UV to infra-red, in milliseconds, are now being used in areas as diverse as printed electronics, the annealing of silicon wafers, Rapid Thermal Processing (RTP), ink curing and drying, composites engineering and other rapid photonic processes. Heraeus, is very active in these areas, as it implements its strategy to move from a component supplier to a solutions provider. The relocation of the lab to the Cambridge manufacturing plant will greatly assist in the realization of this strategic vision."

The newly named "Photonics Application Centre", headed up by Applications Manager, Martin Brown, assisted by project engineer, John Gregory, bringing expertise from the Printed Electronics Industry, is fully equipped to offer a full Xenon Flash Photonics service. It offers customers capabilities ranging from blue sky radical ideas testing, through trials and prototype manufacturing to full equipment design and manufacturing.

Utilising the Applications Centre facilities in conjunction with sophisticated ray tracing technology, it is possible to model and then calibrate specific systems to give the required homogeneity with the most efficient use of flashlamps, reflector and electrical power.

Heraeus Noblelight Ltd is acknowledged as a world leader in the design and manufacture of Arc and Flash lamps. Its Cambridge facility features the latest technology for the automated manufacture of arc and flash lamps, utilising unrivalled knowledge in lamp design and development expertise. It collaborates continuously with research institutes and customers to explore new ways to improve lamp performance and extend their areas of application.

Heraeus, the technology group headquartered in Hanau, Germany, is a leading international family-owned company formed in 1851. We create high-value solutions for our customers, strengthening their competitiveness for the long term. Our activities focus on a number of markets: chemical and metals, energy and the environment, communications and electronics, health, mobility, and industrial applications. In fiscal year 2013, Heraeus achieved product revenue of €3.6 billion and precious metals trading revenue of €13.5 billion. With some 12,500 employees in over 110 subsidiaries worldwide, Heraeus holds a leading position in its global markets.

Heraeus Noblelight GmbH with its headquarters in Hanau and with subsidiaries in the USA, Great Britain, France, China and Australia, is one of the technology- and market-leaders in the production of specialist light sources and systems. In 2013, Heraeus Noblelight had an annual turnover of 138 Million € and employed 875 people worldwide. The organization develops, manufactures and markets infrared and ultraviolet emitters, systems and solutions for applications in industrial manufacture, environmental protection, medicine and cosmetics, research, development and analytical measurement techniques.

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Setting up a substrate for Photonic exposure.
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