

# Press Release

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*The Business of Science®*

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## HBLED System Sales are Bright for Oxford Instruments



**Image caption:** Oxford Instruments Plasma Technology  
System133-ICP380 Plasma Etch Tool

Oxford Instruments is delighted to announce that sales of its systems for the production of HB LEDs continue to grow considerably, with the company receiving multiple orders from a number of important manufacturers based in Asia. Despite the current economic downturn, the company has more than doubled its HBLED tool sales over the last 12 months supplying nearly all of the major Asian HBLED manufacturers and significantly increasing market share.

Systems purchased include the batch System133 PECVD load locked tool and Plasmalab® 800Plus PECVD open load tool which give excellent uniformity over large batch sizes for the deposition of dielectric passivation layers, and the batch System133 ICP380 etch tool for GaN, AlGaInP and Sapphire etching. These systems all offer very high throughput and superb repeatability, as well as industry leading batch size. All systems are easy to use and maintain and can be SECSGEM enabled, providing our customers with the perfect solution to their production needs.

“The increased use of LED backlighting units in LCD televisions is currently driving substantial growth in the HBLED market and this growth is predicted to continue over the next few years”, comments Mark Vosloo, Sales and Customer Service Director for OIPT. “In addition, the use of LED backlighting in notebook PCs and increased penetration of LEDs in automotive and architectural lighting is also driving the market. With over 10 years experience as a leading supplier to HBLED manufacturers globally, a versatile product range, process capabilities and continuous development programme, Oxford Instruments Plasma Technology is well positioned to take advantage of this. We are delighted that so many important players in HBLED manufacture have chosen OIPT as their equipment supplier.”

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#### **About Oxford Instruments plc**

Oxford Instruments aims to pursue responsible development and deeper understanding of our world through science and technology. We provide high technology tools and systems for industrial and research markets, based on our ability to analyse and manipulate matter at the smallest scale. Innovation has been the driving force behind Oxford Instruments' growth and success for over 50 years, and its strategy is to effect the successful commercialisation of these ideas by bringing them to market in a timely and customer-focused fashion.

The first technology business to be spun out from Oxford University over fifty years ago, Oxford Instruments is now a global company with over 1,300 staff worldwide and a listing on the London Stock Exchange (OXIG).

Our objective is to be a leading supplier of next generation tools and systems for research and industry. This involves the combination of core technologies in areas such as low temperature and high magnetic field environments, Nuclear Magnetic Resonance, X-ray electron and optical based metrology, and advanced growth, deposition and etching. Our products, expertise, and ideas address global issues such as energy, environment, terrorism and health and are part of the next generation of telecommunications, energy products, environmental measures, security devices, drug discovery and medical advances.

#### **About Oxford Instruments Plasma Technology**

Oxford Instruments Plasma Technology offers flexible, configurable process tools and leading-edge processes for the precise, controllable and repeatable engineering of micro- and nano-structures. Our systems provide process solutions for nanometre layer epitaxial growth of compound semiconductor material, etching of nanometre sized features and the controlled growth of nanostructures. These solutions are based on core technologies in plasma-enhanced deposition and etch, ion-beam deposition and etch, atomic layer deposition and hydride vapour phase epitaxy. Products range from compact stand-alone systems for R&D, through batch tools and up to clustered cassette-to-cassette platforms for high-throughput production processing.