

## Press Release

LBP Optics Ltd, Stratton Park, Dunton Lane, Biggleswade SG18 8QS, United Kingdom  
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**For immediate release | January 2019**

### **Lightweight aluminium laser mirrors on show at Photonics West**

**5-7 February 2019, Photonics West, San Francisco, Booth #4874**

LBP Optics Ltd, well-established specialist manufacturer of high quality reflective optics, will be in San Francisco in February 2019 showcasing its unique range of all-metal mirrors, including aluminium mirrors for many applications.

Exhibiting alongside US-based long-term partners Electro Optical Components Inc., LBP Optics will this year be highlighting their aluminium mirrors range as aluminium mirrors continue to grow in popularity. As MD Paul MacLennan explains, "They are lightweight, durable, cost-effective and easy to machine in to complex shapes. They also have excellent laser damage resistance, and won't chip or crack like silicon

LBP Optics have been manufacturing aluminium mirrors for over 28 years in a wide range of shapes and sizes for many different applications. They can offer coatings for CO<sub>2</sub>, fiber lasers and visible applications and the mirrors can be machined in to complex shapes to ease alignment and mounting.

LBP Optics manufacture a wide range of mirrors including gold coated copper, aluminum, silicon, and stainless steel. All these materials have excellent broad reflectivity across the infrared, and are ideal for many applications. They are highly durable and resistant to harsh environments such as gas sensing and infrared counter measures (IRCM).

LBP Optics' mirrors are manufactured using a unique chemical polishing technique that produces an unrivalled level of surface smoothness. We routinely make parts flat to 0.1um and smooth to Ra = 2nm.

LBP Optics offer an excellent range of reflective coatings covering the spectrum from UV to THz. Their product range is suitable for demanding applications in research, defense, environmental monitoring, medical and dental lasers. Widely used with Er:YAG lasers, fiber lasers, Terahertz and

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QCL sources, high power pulsed and CW CO<sub>2</sub> lasers (10.6um and 9.3um) for laser cutting, marking, welding. Parts are regularly supplied for both low volume prototype and high volume production.

For more information visit [www.LBP.co.uk](http://www.LBP.co.uk) email [sales@lbptics.com](mailto:sales@lbptics.com) or call +44 (0)1767 600877

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### **CONTACTS**

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### Notes to Editors

In August 2017, LBP Optics Ltd (formerly Laser Beam Products) was acquired by Hertfordshire-based ULO Optics Ltd. LBP Optics specialises in the design and manufacture of a unique range of metal laser mirrors, which are exported worldwide. Their metal laser mirrors are used in many applications including CO, CO<sub>2</sub>, Fiber laser cutting and welding, as medical and dental laser mirrors, in gas sensing, spectroscopy, in the UV, visible, IR and even THz.

Chemically polished to a super-smooth finish, with a range of optical coatings, LBP mirrors offer high laser damage thresholds and reliability. With a strong reputation for excellent quality and on-time delivery the business is developing and growing rapidly under the new management.

ULO Optics Ltd specialises in design and fabrication of optical components for CO<sub>2</sub> and fiber lasers. The company produces a wide range of optics in ZnSe, Ge, Cu, Mo and Si with ultra-low absorption coatings, and manufacture beam delivery modules and systems for industrial applications from 10W - 10kW, including an unmatched range of beam expanders.

ULO is also the world's only supplier of Dual-Focus lenses, which vastly improve the speed and economy of CO<sub>2</sub> laser cutting. ULO regularly ship hundreds of different items from their extensive stock, or design and manufacture custom solutions.

Both ULO Optics and LBP Optics are ISO 9001 registered companies, underlining their commitment to quality and customer service.