

Press Release

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Lightweight aluminium laser mirrors on show at Photonics West

25 – 27 January 2022, Photonics West, San Francisco, Booth #5019

LBP Optics Ltd, well-established specialist manufacturer of high quality reflective optics, will be in San Francisco in January 2022 showcasing its unique range of all-metal mirrors.

Exhibiting alongside other British photonics businesses in the British pavilion, LBP Optics will this year be highlighting their aluminium mirrors range as they 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 CO₂, 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. With parts routinely made 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 QCL sources, high power pulsed and CW CO₂ lasers (10.6um and 9.3um) for laser cutting, marking, welding. Parts are regularly supplied for both low volume prototype and high volume production.

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For more information visit www.LBP.co.uk email sales@lbptics.com or call +44 (0)1767 600877

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