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**PRESS  
RELEASE**

## **Ophir Optronics' CO2 Optics Group Announces Silicon Mirrors for High Power CO2 Laser Systems**

Company's coated mirrors composed of high-grade silicon for optimized beam delivery and cavity optics

**Jerusalem, Israel, 24 August 2009** – Ophir Optronics Ltd., a global leader in precision IR optics components and laser measurement equipment, announced today that its CO2 Optics Group has developed silicon mirrors for use in high-power CO2 laser systems. Mirrors are essential optical components in laser resonators or cavities, with very high reflection capability (of up to 99.9%)

Ophir silicon mirrors provide excellent reflection of 10.6  $\mu\text{m}$  CO2 beams for increased power and durability. Additionally, HeNe beams can be used for quicker adjustment and more precise alignment. Ophir mirrors are OEM-approved and available in a range of durable and easy-to-clean coatings. These include PLM, MMR, MMR-A, MMR-P and MMR-H for better polarization control and enhanced reflectivity for internal mirrors, as well as OPS and 90PS for beam delivery optics. Finally, the mirrors have a phase shift tolerance of  $\pm 2$ , for superior cutting and cleaning capabilities.

"At Ophir, we use the highest grade of silicon in our mirrors combined with a full line of coatings for enhanced optical properties," observed Yehiel Plaut, Sales and Marketing Director for Ophir Optronics' CO2 Optics Group. "We assure that every component we sell – whether original or replacement – performs to customer requirements."



### **About Ophir Optronics / CO2 Optics Group**

Established in 1976, Ophir Optronics is a global leader in precision IR optics components and laser measurement equipment.

Our CO2 Optics Group produces a full range of OEM and replacement optics including beam-delivery and cavity optics as well as windows. Ophir provides the highest quality CO2 optics at the best price. The second largest OEM supplier in the world, all manufacturing is done in-house using automated CNC technology assuring complete uniformity. Driven by innovation, we've produced a longer lasting lens with a radioactive-free coating, called Black Magic™, and an ultra-low absorption lens with a transparent coating, called Clear Magic™. Our commitment to the customer is second to none, with a global distribution and support network. This unwavering commitment to forward thinking helps keep us "a cut above the rest".

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