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**PRESS  
RELEASE**

## **CO2 Laser Optics Division of Ophir Optronics' Optics Group Announces Innovative Intra-Cavity PLM-HR Mirror Coating**

Ophir's combined PLM-HR and MMR-P coatings represent a superior solution for multi-mirror cavity optics

**Jerusalem, Israel, 1 June 2011** – Ophir Optronics Ltd., a global leader in precision IR optics components and laser measurement equipment, announced today that the CO2 Laser Optics Division of its Optics Group has developed an innovative PLM-HR coating for use in high-power CO2 laser systems based on multi-mirror cavity optics. The use of coatings like PLM-HR is a cost-effective way to maximize reflection, improve performance, protect highly-sensitive mirror surfaces and prolong product life.

Ophir's OEM-approved PLM-HR coating provides optimized S-Pol reflection (>99.90% for S-Pol), with enough P-Pol reflection (<93% P-Pol) to enable effective phase locking. It is UV-resistant, suitable for both Cu and Si mirrors and can be used in a variety of different resonator types.

"Our PLM-HR coating provides the highest reflectivity available in the marketplace," said Yehiel Plaut, Sales and Marketing Director for the CO2 Laser Optics Division of Ophir Optronics' Optics Group. "It can also be used as an "all-in-one" coating – an excellent differentiator."



Cu Mirror with PLM-HR Coating

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

Established in 1976, Ophir Optronics is a global leader in precision IR optics, laser measurement instrumentation and 3D non-contact measurement equipment.

Our CO2 Laser Optics Division 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 laser 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". For more information, visit [www.co2optics.com](http://www.co2optics.com).

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