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**PRESS  
RELEASE**

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

Ophir's High Reflection coating represents a superior solution for multi-mirror cavity optics

**Jerusalem, Israel, 3 August 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 HR coating for use in high-power CO2 laser systems based on multi-mirror cavity optics. The use of coatings like HR is a cost-effective way to maximize reflection, improve performance, protect highly-sensitive mirror surfaces and prolong product life.

Ophir's OEM-approved HR coating delivers higher reflection than standard coatings at 10.6 $\mu$  (90PS >99.90% and ZPS >99.7%) and is suitable for both Cu and Si mirrors. It allows for a phase shift tolerance of  $\pm 2@45^\circ$  and >80% reflection for 630-670nm, for superior cutting and cleaning capabilities.

"Our cost-effective HR coating is one of the most durable in the high-power laser industry," said Yehiel Plaut, Sales and Marketing Director for the CO2 Laser Optics Division of Ophir Optronics' Optics Group. "Providing for a more accurate mode and quicker cooling than other solutions, Ophir's HR coating causes mirrors to generate less heat."



Cu Mirror with 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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