



NEWS RELEASE

Ion Optics and Innovative Micro Technology Building Low Cost Gas Sensors

March 2, 2004 - Waltham, MA - Ion Optics, Inc, and Innovative Micro Technology (IMT) announced today that they are working together to bring Ion Optics' SensorChip products into production. Ion Optic's SensorChip™ is a silicon micro-machined infrared gas sensor that offers significant cost advantages along with reduced size and power consumption. Initial designs target carbon dioxide and combustible gas sensing applications in medical devices, process monitoring, industrial safety, as well as, residential and automotive sensors. Ion Optics' also has opportunities to apply these wavelength tuned devices to support a variety of homeland defense and military night vision applications.

According to Chris Mather, CEO of Ion Optics, "After evaluating the service offerings at many foundries, we concluded that IMT offered the experience and capabilities to bring our device from prototype to volume production. IMT's strong photolithography and thin film expertise provide excellent synergy with the precision requirements of Ion Optics core photonic crystal technology."

John Foster, CEO of IMT, found Ion Optics technology equally appealing "Collectively, IMT has seen many emerging MEMS technologies that have limited high volume demand. Ion Optics' SensorChips clearly have huge market potential. We are pleased to be working on the SensorChip technology, which we expect will dramatically change the gas sensor industry."

About Ion Optics:

Ion Optics, Inc. is the emerging technology leader in optical-based MEMS gas detection sensors and wavelength tuned infrared emitters. Ion Optics has developed a patented optical platform technology for controlling (tuning) the infrared emission and absorption wavelengths of a silicon surface using two-dimensional photonic crystals produced through standard, high-volume, semiconductor manufacturing techniques. For more information visit www.ion-optics.com

About Innovative Micro Technology:

Located in Santa Barbara, CA, Innovative Micro Technology (IMT) is a leading prototyping and sub-micron 6" wafer manufacturing services provider for MEMS, with particular strengths in design for manufacturability, high-volume manufacturing and metrology/test. IMT manufactures both bulk and surface MEMS, including RF, optotelecommunications, biomedical, biotechnology, DSL switching, inertial measurement, and other devices. For more information visit www.imtmems.com

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