

NEWS RELEASE

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For Immediate Release

DSI's HeatBuster® High Power Density Cold Mirrors

September 12, 2006 – Santa Rosa, CA – Deposition Sciences, Inc. (DSI), manufacturer of highly durable thin film optical coatings, announces an innovation in high temperature and high density performance in their **HeatBuster®** Cold Mirror product line. This new breakthrough in cold mirror coating technology withstands light levels above 200W per square centimeter and extreme temperatures above 400°C. These cold mirrors feature reflectivity values of up to 98% across the visible spectrum and extremely low reflectivity in the infrared, with transmission of equal to or less than 20 percent in the 800 nm to 2500 nm waveband.



DSI's HeatBuster Cold Mirrors can be designed to operate over a wide range of angles. They can be applied to both infrared transparent substrates (e.g. glass, fused silica and sapphire) and opaque materials (e.g. stainless steel, and electroformed nickel). DSI's cold mirror coatings efficiently reflect visible light without changing the color appearance of the source. The coatings can also be applied to the highly curved surfaces of parabolic and elliptical reflectors, meeting or surpassing strict adhesion standards.

The new "white light" coatings are ideal for use in fold mirror and light tunnel applications where a focused light beam is needed to reduce the size of the optics and the overall unit. With their high reflectivity at high angles of incidence these all-dielectric cold mirrors can be used to replace silver coated mirrors in light tunnel applications.

DSI's proprietary **MicroDyn®** sputtering technology yields a high performance, highly durable cold mirror coating. This highly durable, uniform coating is extremely stable over temperature and humidity changes, meeting the severe abrasion, adhesion, humidity, and salt fog tests of Mil-C-675 standards. HeatBuster Cold Mirrors are suitable for applications in projection display, medical, high power illumination, and digital cinema projection.

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Deposition Sciences, Inc. (DSI) – Santa Rosa, CA – www.depisci.com - For over 20 years, Deposition Sciences has produced the most durable optical thin film filter coatings in the industry. DSI's coating capability ranges from the ultraviolet (UV), through the visible and includes near-infrared (NIR), midwave-infrared (MWIR) and out to the longwave-infrared (LWIR). At the heart of these capabilities is DSI's patented MicroDyn reactive sputtering technology enabling superior multilayer thin film coatings for optics, MEMS and other thin film technologies.