

# NEWS RELEASE

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*For Immediate Release*

## **DSI Offers IsoSphere™ AR Ball Lenses for Fiber Optics Coupling**

**August 29, 2006 – Santa Rosa, CA – Deposition Sciences, Inc. (DSI)**, manufacturers of highly durable thin film optical coatings, offers **IsoSphere™ Antireflection (AR) Coated Ball Lenses** in a variety of glass indexes and new, larger sizes. Featuring very low insertion loss, the IsoSphere ball lenses are available with antireflection coatings with transmission values of greater than 99.5 percent in indexes of up to  $n_d$  2.0 @ 550 nm. DSI now offers the highly durable, scratch-resistant AR coated ball lenses in sizes from 200 microns to 10.0 mm diameter.



Ideal for telecommunications and expanded beam connector applications, DSI's affordable IsoSphere line of ball lens products are a mechanically-compact optical method for collimating the output of an optical fiber or laser diode. Versatile and practical, the IsoSphere AR coated ball lenses can be used in fiber to fiber, diode to fiber, and/or fiber to detector coupling tasks.

DSI's proprietary **IsoDyn™** low pressure chemical vapor deposition (LPCVD) technology permits a high performance, uniform optical AR coating over the entire surface of the ball lens. This highly durable, uniform coating eliminates the need for orientation of the lens in the customer's device, thus reducing labor-intensive assembly costs.

IsoSphere AR-coated ball lenses are extremely stable over temperature and humidity, meeting the severe abrasion, adhesion, humidity, and salt fog tests of Mil-C-675 standards. Resistant to most chemicals, DSI's ball lenses are also durably suited for aircraft, oil field exploration and refining, marine, undersea and aerospace applications.

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**Deposition Sciences, Inc. (DSI) – Santa Rosa, CA – [www.depisci.com](http://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.

