

# NEWS RELEASE

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**Deposition Sciences, Inc. (DSI)**

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*For Immediate Release*

## **Deposition Sciences' MicroDyn® Sputtered Coatings Include Longwave Infrared (LWIR) Optical Filters**

**October 10, 2011 – Santa Rosa, CA – Deposition Sciences, Inc. (DSI®),** manufacturer of durable thin film optical coatings, announces the new sputtered long wavelength infrared optical coatings. The company's proprietary MicroDyn sputtering deposition platform now delivers 8-micron longwave pass (LWP) and 10-micron narrow bandpass (NBP) filters with superior blocking capabilities.

The in-band transmittance levels have also been enhanced, making these advanced thin film coatings ideal for a variety of applications, such as gas sensing and thermal imaging.



DSI's new process creates sputtered films that feature increased abrasion resistance relative to evaporated films and are much more economical to produce in higher volumes. Because of the intrinsically low temperature of the sputtering process, the coatings are compatible with photoresists, enabling the filters to be patterned using standard photolithographic techniques.

Highly durable, optical thin film coatings from DSI include multilayer thin films for industrial, commercial, biomedical, test & measurement, solar, military, defense and aerospace applications. For more information, please go to: [www.depsci.com](http://www.depsci.com).

**Deposition Sciences, Inc. (DSI) – Santa Rosa, CA – [www.depsci.com](http://www.depsci.com)** - For over 25 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 and other thin film technologies.