

NEWS RELEASE

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For Immediate Release

Santa Barbara Infrared (SBIR) & Labsphere Partner to Provide Unique, Fully-Calibrated / Integrated E-O Test Systems

- New **COLOSUS™** family of fully-calibrated 0.3 to 14+ micron E-O test systems will be showcased at SPIE's Defense & Commercial Sensing (DCS), Anaheim, CA, April 11-13, 2017 in booths #601 and #800.

SANTA BARBARA, Calif. - March 28, 2017 - Santa Barbara Infrared, Inc. (SBIR - www.sbir.com), a leading manufacturer of advanced infrared (IR) and electro-optical (E-O) test hardware for aerospace and defense, has partnered with **Labsphere, Inc. (www.labsphere.com)** to provide an unparalleled family of E-O test systems. The **COLOSUS™** systems, which include collimated optics, software, and uniform sources, are complete test solutions for optical characterization of sensors and cameras, offering both collimated and flood-mode test configurations. The two companies have merged their engineering expertise in hardware and software to offer turnkey, fully-calibrated solutions.



Integrating spheres, blackbodies, collimators, target wheels, system peripherals, and traceable calibration data are combined and controlled by the IRWindows4™ automated test software package to provide a single, easy-to-use testing method for each of the new systems in the product series. In addition to the COLOSUS family of standard product configurations, custom test solutions can be designed to achieve specific program requirements.

Labsphere's director of marketing for remote sensing, Chris Durell, says, "Due to our combined market and application knowledge, SBIR and Labsphere are ideally suited to bring an unprecedented solution, from the UV to LWIR, for sensor fusion and today's E-O system performance needs."

Fred King, SBIR's director of engineering, notes, "Our two companies have a reputation for creating world-class solutions for the toughest remote-sensing applications. The COLOSUS product line represents the next generation of fully-calibrated E-O test systems to meet these demands. Good decisions are based on good data and we are confident that the COLOSUS family will help our customers focus on troubleshooting their sensors, rather than their test hardware."

With its HELIOS™ product line of sphere-based sources, Labsphere is a premier global provider of ground-based calibration systems for large, earth-observing satellites. The company also offers optical calibration solutions for remote sensing and terrestrial imaging systems.

Santa Barbara Infrared's blackbody sources, including the recently introduced **VANTABLACK®-S** that features carbon nanotube technology, provide the industry's highest infrared emissivity, enabling unparalleled radiometric accuracy across the mid-wave and long-wave infrared bands. SBIR is the leading supplier of sophisticated, integrated, multi-function E-O test systems used by commercial, science, and military markets in laboratory, factory, depot, and field-test environments.

To see a demonstration of the new COLOSUS family of fully-calibrated, integrated E-O testing solutions, please visit Santa Barbara Infrared's booth #601 and/or Labsphere's booth #800 at SPIE's DCS Exhibition in Anaheim, CA, April 11 - 13, 2017.

For questions about SBIR or COLOSUS products, or to find your local SBIR representative, please contact Gabe Amparan at gamparan@sbir.com or call +1-805-965-3669.

For more information on the Labsphere HELIOS product or COLOSUS solutions, please contact Labsphere customer service at +1-603-927-4266, Labsphere@labsphere.com, or your local Labsphere representative, who can be found at www.labsphere.com/about/locations.

ABOUT THE COMPANIES:

Santa Barbara Infrared Inc. (SBIR - www.sbir.com) designs and manufactures the most technologically advanced infrared and electro-optical (EO) test instrumentation available. Its broad line of innovative products supports testing of military and commercial sensor systems and is used worldwide in laboratory, production, depot and field-test applications. Founded in 1986, SBIR quickly became the leader in the EO test instrumentation field. In 1999, SBIR became part of HEICO Corporation, an aerospace company based in Hollywood, Florida. [HEICO Corporation](http://www.heico.com) is a rapidly growing, technology-driven company that has been engaged in niche market segments within the aerospace, aviation and electronics industries for more than 40 years. Additionally, HEICO has been named on Forbes' Best 100 Small Companies list and 200 "Hot Shot Stocks" list routinely. SBIR continues to maintain its leadership position within the test instrumentation field and is the preferred supplier to many of the major domestic and international manufacturers of EO sensors and systems. SBIR's focus is to provide well-engineered, cost-effective hardware and software solutions to the EO community. Extensive design capabilities cover the spectrum of infrared, laser, visible and dynamic-scene projection applications.

Labsphere, Inc., founded in 1979, is part of the Halma group of companies. It is headquartered in North Sutton, New Hampshire, with a satellite facility in China and a global network of distribution partners. The company specializes in the design and manufacture of high-end light measurement solutions for the LED/SSL lighting industry, uniform light sources and products for remote sensing and imager/consumer camera calibration, diffuse optical coatings and materials including Spectralon®, Spectrafect®, and Permaflect® and instrumentation and reflectance standards for spectroscopy applications. For more information, please visit www.labsphere.com.

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