

For Immediate Release

## Spectra-Physics® Launches High Energy, One-Box Ultrafast Amplifiers

- New Solstice Ace delivers industry-leading >6 mJ energy, >7 W power with ultrashort <35 fs pulses

**Santa Clara, CA – July 8, 2014** – Spectra-Physics®, a Newport company, introduces a line of high energy, one-box, ultrafast amplifier products with the industry’s highest performance. The new Solstice® Ace™ features high energy of >6 mJ and high power of >7 W with <35 and <120 fs pulse width configurations and 1 to 10 kHz capability. The Solstice Ace is built for stable, long-term operation and is tested to rigorous quality standards for high reliability. The new products are ideal for ultrafast spectroscopy and advanced science applications.



“This new line of ultrafast amplifiers deliver new, market-leading levels of performance in a one-box form factor to propel new ultrafast science,” says Herman Chui, senior director of product marketing for Spectra-Physics. “With our industry-leading Spitfire® Ace ultrafast amplifiers, this introduction reinforces Spectra-Physics number one position in ultrafast lasers serving applications in research, bio-imaging, medical and micromachining.”

The new Solstice Ace regenerative amplifier outputs >6 mJ pulse energy at 1 kHz, >7 W output power at 5 kHz and >6 W at 10 kHz repetition rate with pulse width configurations of <35 fs and <120 fs. Subjected to rigorous quality standards and reliability tests, Solstice Ace demonstrates long-term performance, low noise, and day-to-day reproducibility. Long-term stability is guaranteed over a 10°C temperature range to ensure reliable data collection. Spectra-Physics’ patented XP cavity provides superior beam quality and stability for driving optical parametric amplifier (OPA) systems with  $M^2 < 1.25$ .

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Spectra-Physics' new Solstice Ace will be featured at the 19<sup>th</sup> International Conference on Ultrafast Phenomena, Okinawa Convention Center, Okinawa, Japan, July 7-11, 2014. For more information, please visit us at the conference or at [www.spectra-physics.com/Ultrafast](http://www.spectra-physics.com/Ultrafast).

### **About Spectra-Physics**

Founded over 50 years ago as the first commercial laser company, Spectra-Physics delivers breakthrough technologies that transform the way businesses operate and people live. From the manufacturing floor to the operating room to the research laboratory, the company has blazed a trail of discovery and success in lasers that continues to advance every day. Spectra-Physics is singularly focused on helping its customers use precision laser technologies to advance leading-edge science and propel industries forward. The company does so by offering groundbreaking technologies, deep applications expertise, disruptive cost-performance, a commitment to world-class customer experience, and the highest standards for operational excellence and continuous global improvement. Spectra-Physics is a Newport company and has offices in countries around the world, serving customers across a broad range of industry segments.

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