

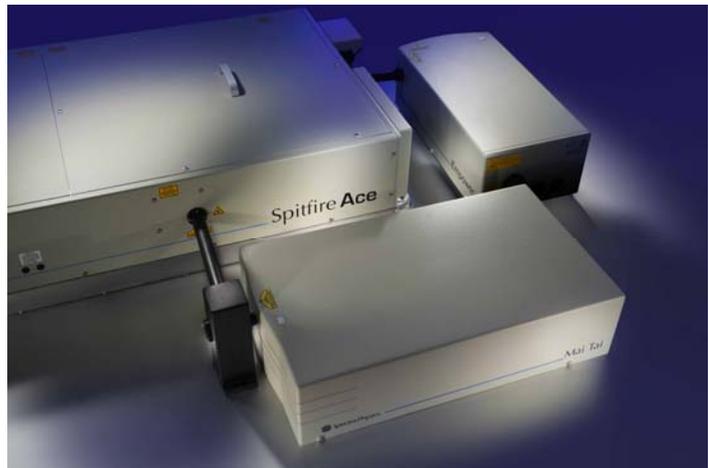
For Immediate Release

Spectra-Physics® Expands Ultrafast Amplifier Portfolio

- Extends offering to high >14 W power and to ultrashort sub-20 femtosecond (fs) pulses at high repetition rates

Santa Clara, CA – February 4, 2014 – Spectra-Physics®, a Newport company, introduces three new ultrafast amplifier products, expanding its portfolio of ultrafast lasers. The new Spitfire® Ace™ PA (Power Amplifier) features high power of >14 W and high energy of >12 mJ, and the new Spitfire Ace outputs >7 W and >6 mJ with <35 fs pulse width from a regen-only amplifier. The new Spirit-NOPA™ delivers tunable high-repetition-rate pulses with pulse widths as short as sub-20 fs. The new products are ideal for ultrafast spectroscopy and advanced science applications.

“These new ultrafast amplifiers are powerful tools to advance and enable new ultrafast science,” says Philippe Féru, senior manager of product marketing for Spectra-Physics. “As the number one supplier of ultrafast lasers, Spectra-Physics delivers the broadest range of technologies to serve the widest scope of applications with the industry’s largest installed base.”



The new Spitfire Ace PA delivers >14 W output power at 5 kHz and more than 12 W at 1 and 10 kHz repetition rates. The new improved Spitfire Ace regenerative amplifier delivers >7 W at 5 kHz and >6 W at 1 and 10 kHz. Spectra-Physics’ patented XP cavity provides superior beam quality even at the highest energy configuration. These ultrafast amplifiers are ideal for a wide range of research applications including multicolor time-resolved spectroscopy, coherent control, nonlinear optics, and more.

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Spirit-NOPA is an automated non-collinear optical parametric amplifier specifically optimized for use with Spectra-Physics' Spirit™ high-repetition-rate ultrafast laser. Spirit and Spirit-NOPA together create a versatile ultrafast laser system tunable between 250 and 900 nm and capable of generating sub-20 fs pulses with user-adjustable repetition rates from single shot up to 1 MHz. The advanced system enables a range of new science, allowing fast data averaging and increased signal-to-noise ratios in challenging ultrafast spectroscopy applications.

Spectra-Physics' new 14 W Spitfire Ace PA, 7 W Spitfire Ace, and Spirit-NOPA will be featured at SPIE Photonics West, Moscone Center, San Francisco, CA, February 4-6, 2014. Please visit Spectra-Physics at booth #1301 for a demonstration. For more information, go to 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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