



FOR IMMEDIATE RELEASE

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## **Novanta Showcases Innovative Capabilities at Photonics West**

*Laser beam steering subsystems, lasers, precision motion components and machine vision cameras for industrial and medical applications on display in booth #1133*

**BEDFORD, Mass.**, January 29, 2020 -- Novanta, a trusted technology partner to medical and advanced industrial equipment manufacturers, brings its mission-critical components, subsystems and engineering expertise to Photonics West, the leading event for the photonics and laser communities, February 4-6 at the Moscone Center in San Francisco.

The company provides its customers with solutions to complex technical challenges in demanding applications, including additive manufacturing, digital converting, microscopy and robotics and automation.

Novanta is showcasing its range of innovative capabilities in one booth, which includes its Cambridge Technology, Celera Motion, JADAK, Laser Quantum and Synrad businesses. New to the booth this year are the ARGES laser subsystems from Novanta's acquisition of ARGES GmbH in August 2019.

Highlights in the Novanta booth #1133 include:

### **NEW – Advanced laser control method delivers unmatched accuracy and speed**

Cambridge Technology, A Novanta Company, introduces the ScanMaster Controller's new feature, **SyncMaster**, designed to allow simplified integration and infinite field-laser processing. The SyncMaster eliminates field size limitation and delivers ease of use and a system that fits production environment with unmatched accuracy and speed. One of its key benefits includes an intelligent software that integrates with any XY stage controller. For easy operation and system integration, the SyncMaster features clean, cutting edge algorithms, which cuts effort to be trained on XY stage controller by 90 percent.

With zero stitching error, users can expect improved quality and performance. Unlike conventional stitching exposures, a unique synchronous processing enabled by the SyncMaster avoids all stitching errors resulting in zero line-edge roughness. Key applications include micromachining, via-hole drilling, ITO patterning, and laser and area processing. For more information visit [www.cambridgetechnology.com](http://www.cambridgetechnology.com)

### **NEW – Compact, lightweight 30 Watt CO<sub>2</sub> laser delivers consistent high performance**

Synrad, A Novanta Company, sets the standard for 30 Watt CO<sub>2</sub> lasers with the new **vi30+**, a compact, lightweight, and high performance CO<sub>2</sub> laser that fits well into modern digital processing systems. Incorporating a new LDMOS FET (field-effect transistor) significantly improves the laser's reliability to deliver consistent, high quality marks and codes over a longer lifetime. Stable power output at cold start and consistent performance in harsh industrial environments make it the leading choice for industrial grade machinery. The vi30+ has minimal cooling requirements due to its low power consumption (<480 Watts), and advance chassis design that promotes even air flow across the heat sinks. Special OEM models offer multiple cooling options. Detailed instructions and technical support for installation are available. For more information visit [www.synrad.com](http://www.synrad.com).

### **NEW – High-power continuous wave laser in a compact platform**

Laser Quantum, A Novanta Company, is now offering key wavelengths for super resolution microscopy, including 473, 532, 561 and 640 nm amongst others. With all wavelengths available at 500 mW or more, the gem range of lasers can excite a variety of fluorophores and deliver maximum power to the sample, supporting wide-field illumination and sharper images. The **gem 640**, the newest product to the gem family, offers up to 500 mW red light in a compact platform for easy OEM integration. The gem range has an M<sup>2</sup> close to unity and can support direct fibre coupling solutions. For more information, visit [www.laserquantum.com](http://www.laserquantum.com).

### **NEW – Servo drives deliver high power density and high performance**

Celera Motion, a Novanta Company, delivers integrated mechatronic solutions and precision motion components that solve application challenges for demanding specifications.

High accuracy product offerings include:

- optical and inductive encoders
- direct drive motors and actuators
- servo drives
- air bearing spindles.

The new **Everest Series** are tiny, high performance servo drives that enable users to decrease time-to-market with fast integration and a ready-to-use design. Built on a shielded body construction, they provide best-in-class heat dissipation and ultra-low radiated emissions.

Combining these ultra-reliable components into mechatronics devices delivers improved overall system performance and productivity, while simultaneously reducing complexity. Compact assemblies provide smooth, fast motion with high acceleration, short settling times, and position to sub-micron precision. Consult with our engineers to design optimized solutions that meet your technical requirements. For more information visit [www.celeramotion.com](http://www.celeramotion.com)

### **Embedded machine vision solutions deliver speed, accuracy and repeatable results**

JADAK, A Novanta Company, provides cutting-edge custom machine vision solutions for medical and industrial applications. The **Allegro USB Smart Camera** line is a fully

customizable solution for original equipment manufacturers (OEM) requiring superior machine vision sensors for quality control.

Designed as exceptionally low-cost USB 3.0 solutions, the Allegro USB Smart Cameras are unique in their features of on-board Field Programmable Gate Arrays (FPGA) with LightWise Image Processing and intelligent memory allocation. Their inherent ease of installation and setup makes them invaluable in accelerating rapid development to market, enhancing performance applications. For more information visit [www.jadaktech.com](http://www.jadaktech.com).

**Learn more at the Novanta booth #1133 and booth #22JF at the Job Fair**

Visit the Novanta booth #1133 at Photonics West to learn how we bring our engineering expertise to solve complex technical challenges and deliver innovations that help customers improve productivity and enhance people's lives.

Novanta is also exhibiting at the Photonics West Job Fair. Stop by our booth #22JF on February 4-5, to speak with our recruiters and learn more about the opportunities to build a career at Novanta.

**About Novanta**

Novanta is a trusted technology partner to OEMs in the medical and advanced industrial technology markets, with deep proprietary expertise in photonics, vision and precision motion technologies. For more information, visit [www.novanta.com](http://www.novanta.com).

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