

Advanced Energy® Showcases Best-in-Glass Innovations for Glass, Large-Area Coating and Surface Engineering at SVC TechCon 2017

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PROVIDENCE, R.I., May 02, 2017 (GLOBE NEWSWIRE) -- Advanced Energy Industries, Inc. (Nasdaq:AEIS), the world leader in precision power conversion, will highlight its newest process power and temperature measurement and control technologies at the 60th annual SVC TechCon 2017 conference in Providence, Rhode Island. Sponsored by ASM International, this event is the leading vacuum coating conference and exhibition in North America. Advanced Energy® (AE®) will feature its latest innovations that advance high-tech and industrial vacuum coating applications for glass, hard coatings, display technologies and more.

The recently introduced Ascent DMS MF120 power supply extends Advanced Energy's power leadership in dual-magnetron sputtering for large-area coatings. The mid-frequency model gives customers an economical option to utilize bipolar pulsed DC power throughout their coating lines. Modular and scalable for easy integration, it features leading arc management for higher process stability, frequency and arc management synchronization for film quality and repeatability, as well as power balancing for longer campaign runs and optimized target utilization.

Yuval Wasserman, AE president and CEO, said, "Advanced Energy set the standard for power in the vacuum coating industry by designing and engineering the most capable power solutions that our customers desired. We have continued to innovate alongside our customers, developing superior products with compelling features. Our Ascent product line, with its patented pulsing technology, is a great example—enabling stable processes, high-quality films, low-cost ownership and affordable end-to-end solutions. Our customers produce greater results, and the innovation cycle continues."

In addition to process power, Advanced Energy will showcase its temperature measurement and control technologies. The new Onyx™ series of pyrometers offers precise thermal profiles for advanced thermal processing. With high accuracy, repeatability and reliability, the versatile series is ideally suited for industrial materials such as, steel, non-ferrous metals, graphites, silicon carbon (SiC), carbon fiber and ceramics. The series is available in single- and multi-channel measurement versions, as well as two-color ratio and active-emissivity compensation options.

Finally, the newly engineered Thyro-PX™ SCR power controller for electrical heating applications offers remarkable flexibility, exacting temperature control and advanced automation capabilities. Available in 230 V to 690 V options, single-phase and three-phase, this model controls electrical power, current or voltage with high precision and reproducibility.

The complete display of process power and thermal products will include:

- Ascent® DMS MF120 series with bipolar pulsed DC technology at a comparable investment to traditional sine wave MF technology
- Ascent® AMS and DMS power delivery systems, supporting a wide variety of single- and dual-magnetron sputtering applications with unprecedented arc handling and power delivery control

- Ascent® AP advanced pulse series for single- and dual-magnetron sputtering with advanced plasma control for sputtering dielectric and conductive films
- Solvix® DC and pulsed-DC power delivery systems for precise cathodic arc deposition requirements
- Onyx™ optical temperature pyrometers for advanced thermal measurement
- Thyro-A®, Thyro-AX®, Thyro-PX® and Thyro-S® SCR power control modules for industrial applications requiring precise thermal control

The SVC TechCon exhibition will take place at the Rhode Island Convention Center, May 2-3, in Providence. AE experts will be available at the company's booth (#800) and will demonstrate the pyrometers and SCR power controllers as well as a new Connected Power™ feature that allows the products to communicate and share data—offering connectivity for Industry 4.0 technologies. In addition to the exhibition, AE will participate in several sessions of the technical program. To learn more about AE's featured products and technology presentations, visit the company's event web page at http://pages.advanced-energy.com/SVCTechCon_2017.html.

About Advanced Energy

Advanced Energy (Nasdaq:AEIS) is a global leader in innovative power and control technologies for high-growth, precision power solutions for thin films processes and industrial applications. Advanced Energy is headquartered in Fort Collins, Colorado, with dedicated support and service locations around the world. For more information, go to www.advanced-energy.com.

CONTACT:

Christina Liebman
Director, Corporate Marketing
Advanced Energy Industries, Inc.
+1.970.407.6444



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