



**SEMI Americas and Semiconductor Digest announce 2021 Best of West Award finalists: EVG, Edwards Vacuum, Inficon and Telit – December 6, 2021**



[www.semiconductordigest.com](http://www.semiconductordigest.com)

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## Top Stories

### **[SEMI Americas and Semiconductor Digest announce 2021 Best of West Award finalists: EVG, Edwards Vacuum, Inficon and Telit](#)**

SEMI Americas and Semiconductor Digest announced finalists for the Best of West award to be presented at SEMICON West 2021 Hybrid, December 7-9 at the Moscone Center in San Francisco. [More>>](#)

### **[SEMICON West 2021 Hybrid opens tomorrow in person with livestreamed keynotes, virtual program, automated matchmaking, video chats](#)**

SEMICON West, North America's premier microelectronics exhibition and conference, opens

tomorrow with more than 150 industry visionaries and leaders from the semiconductor ecosystem, academia and government gathering for on-site keynotes, fireside chats, and executive panels on the latest microelectronics developments, trends and innovations. [More>>](#)



### **SEMICON West 2021 Hybrid Event | Dec 7-9**

Join SEMICON West In-Person or On-Demand and hear outstanding keynotes from AMD, Blue Shield of California, EMD Electronics, Harvard, KLA, Lam Research, RapidRating, shift7, Stanford, Tokyo Electron, and more. Get answers about today's megatrends driving business and change from AI and Big Data to Smart Manufacturing and Smart MedTech. [Register today.](#)

## Tech News

### **Recently developed novel Li-conducting polymeric materials enabling superior lithium metal anodes**

Lithium-ion batteries (LIBs) are everywhere in our modern society and therefore the 2019 Nobel Prize in Chemistry has been awarded to three researchers for their contributions to develop LIBs. [More>>](#)

### **Ulvac expands process capability of production proven Optima dry strip systems**

ULVAC Technologies, Inc. a manufacturer of semiconductor equipment as the US subsidiary of ULVAC, Inc. announces the release of expanded processing capability for the Optima line of dry strip tools. [More>>](#)

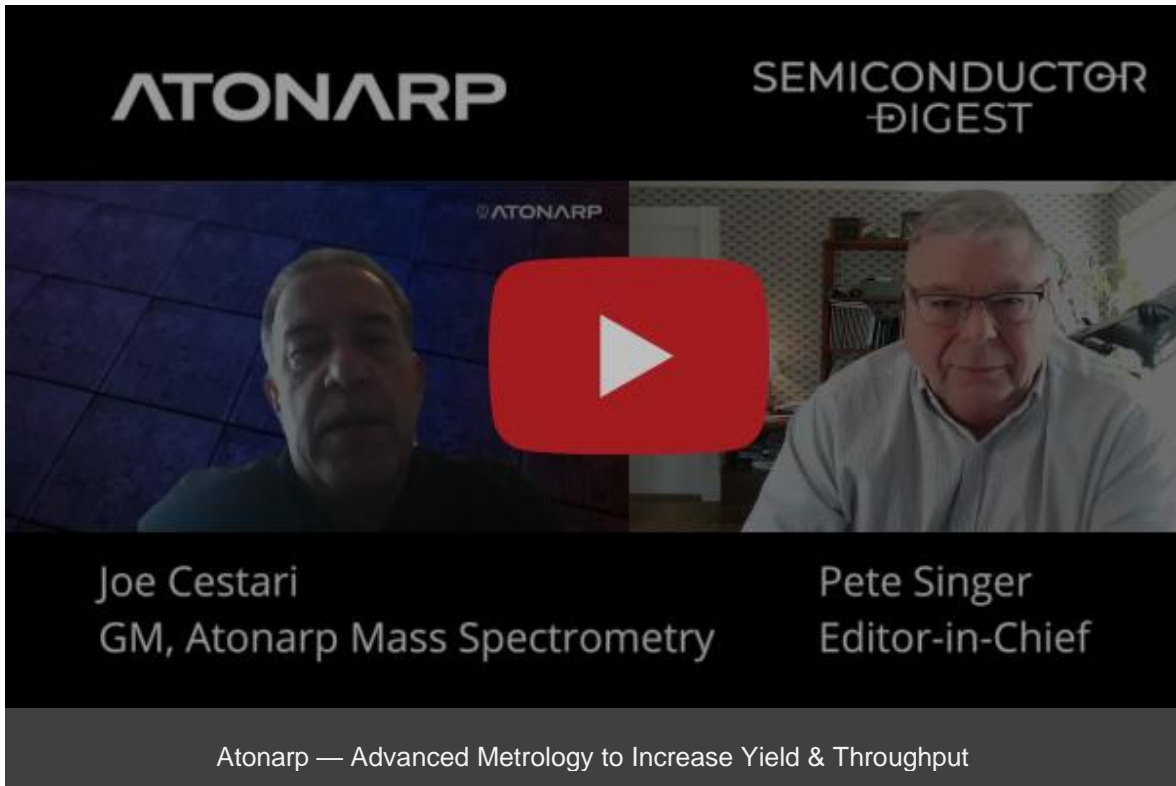
The December issue of the magazine is now available!  
Pick up a copy at SEMICON  
West Booth 244.

[Click here to read it!](#)



### Featured Video

Innovations in metrology can significantly boost yield, throughput, and efficiency for semiconductor fabs. **Atonarp Aston™** is helping to drive this innovation forward, as a robust compact mass spectrometer designed from the ground up to be the workhorse metrology tool for gas monitoring and control in semiconductor manufacturing. High quantitative accuracy and real-time performance are combined with production-ready robustness and dependability, helping to increase process chamber throughput and maximize yields of high-precision, multi-layer material deposition and etch processes in production environments. With a high level of flexibility and an integrated plasma ionization source, Aston is a single tool ready to support the broadest class of semiconductor metrology needs, including the increasingly precise in-situ process management required in today's industry.



## Business News

### [Micron to open memory design center in Atlanta](#)

Micron Technology, Inc., one of the world's largest semiconductor manufacturers and the only U.S.-based manufacturer of memory, today announced plans for its new memory design center in Midtown Atlanta, expanding the company's reach into the Southeast. [More>>](#)

## Featured Product



### **Pfeiffer Vacuum ATH 2804 M/MT and ATH 3204**

**M/MT** magnetically levitated turbopumps are designed for harsh semiconductor applications. They offer a gas throughput of over 5,000 sccm of nitrogen for non-heated applications and up to 1,500 sccm of argon at 65°C in corrosive applications. **[Learn more.](#)**

## **Webcasts and Technology Papers**

**Hot to Improve ALD Process Consistency With Optimized Process Valves and Pneumatic Control Systems**

**[View Paper](#)**

**Analysis of Metallic Impurities in Si Wafers Using Fully Automated VPD-ICP-MS**

**[View Paper](#)**

**Temperature Solutions for Semiconductor Production**

**[View Paper](#)**

**Particles, Processes, and Planning: Synergies to Improve CMP Yield**

**[View Paper](#)**

**Managing the Emission Properties of MicroLEDs Through Photonic Bandgap Engineering**

**[View Paper](#)**

**Field Digital Demand Generation Fault Hunter AN AMO WW Q421**

**[View Paper](#)**

**Consistent Atomic Layer Deposition Processes Demand Consistent ALD Valve Actuation**

**[View On Demand](#)**

**Analysis of Metallic Impurities in Organic Solvents Used in IC Fabrication With the NexION 5000 ICP-MS**

[View Paper](#)

**Backside Protection of Wafer-Level Chip Scale Packages Improves Handling and Reliability**

[View Paper](#)

**Ultra-Trace Quantification of Non-Metals in Sulfuric Acid Solutions Using the NexION 5000 ICP-MS Under Different Cell Gas Conditions**

[View Paper](#)

**In-line Airborne Particle Sensing Supports Faster Response to Contamination Excursions**

[View Paper](#)

**Analysis of Metallic Impurities in Si Wafers Using Fully Automated VPD-ICP-MS**

[View Paper](#)

**Fluxless Soldering in Activated Hydrogen Atmosphere**

[View Paper](#)

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