<table>
<thead>
<tr>
<th>ISSUE DATE</th>
<th>SHOWCASE #1</th>
<th>SHOWCASE #2</th>
</tr>
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<tbody>
<tr>
<td>JANUARY 2015</td>
<td><strong>Thin-Film Deposition Monitors &amp; Controllers</strong> — deposition rate and thickness monitors, monitors, deposition controllers, quartz crystals, sensors, etc.</td>
<td><strong>Furnaces, Heaters, Ovens, Chillers, Coolers, Cryotrap &amp; Cryopumps, etc.</strong> — heaters, coolers, cryotrap, cryopumps, refrigeration systems and other cryogenic/thermal control products/systems</td>
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<tr>
<td>FEBRUARY 2015</td>
<td><strong>Gas Analytical Systems, Instrumentation &amp; Metrology</strong> — leak detectors, vacuum gauges, RGAs, gas monitors, mass flow controllers, mass flow meters, plasma chemistry monitors, instrumentation, mass spectrometers, gas chromatography, monitoring/control equipment, etc.</td>
<td><strong>Vacuum Products &amp; Services Catalogs &amp; Literature</strong> — catalogs, brochures, data sheets and other product description literature for the many vacuum systems/components and services</td>
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<tr>
<td>MARCH 2015</td>
<td><strong>Deposition &amp; Evaporation Sources &amp; Materials</strong> — sputtering targets, evaporation sources, ion sources, cathodes, metals and other materials used for deposition and coating applications</td>
<td><strong>Thin Film Deposition &amp; Coating Services</strong> — vacuum-based coating and deposition providers using sputtering, evaporation, and metallizing for deposition and coating</td>
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<td>APRIL 2015</td>
<td><strong>Deposition, Coating, Cleaning &amp; Etching Processing Equipment</strong> — sputtering, PVD, CVD, ALD, PECVD, e-beam, ion beam, evaporation, coating, metallizing, roll-to-roll, box coaters, plasma cleaning and etching</td>
<td><strong>Vacuum Hardware: Valves, Chambers, Feedthroughs, Seals, Flanges, Fittings &amp; Related Component Hardware</strong> — valves, chambers, feedthroughs, seals, flanges, fittings handling-manipulation equipment, bell jars, collars, adaptors, bellows, viewports, traps, piping, etc.</td>
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<td>MAY 2015</td>
<td><strong>Thin Film Metrology, Measurement, Characterization &amp; Analysis Equipment</strong> — ellipsometers, spectrometers, surface profilers, thickness/flatness/hardness testers, stress analysis, thin film characterization/uniformity</td>
<td><strong>Power Supplies, Plasma Sources &amp; Accessories</strong> — DC &amp; RF supplies/systems, RF generators, impedance matching networks, etc.</td>
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<td>JUNE 2015</td>
<td><strong>Vacuum Pumps</strong> — all production vacuum pumps including roughing, high-vacuum pumps, very-high-vacuum pumps, cryogenic pumps as well as vacuum pumps used in R&amp;D</td>
<td><strong>Materials — Oils, Fluids, Lubricants, Chemicals &amp; Gases</strong> — chemicals, gases, vacuum fluids, oils, lubricants, and other materials used for deposition, coating and vacuum processing equipment operation and/or maintenance</td>
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<tr>
<td>JULY 2015</td>
<td><strong>Thin-Film Deposition Monitors &amp; Controllers</strong> — deposition rate and thickness monitors, optical monitors, etch monitors, deposition controllers, quartz crystals, sensors, etc. and other cryogenic/thermal control products/systems</td>
<td><strong>Furnaces, Heaters, Ovens, Chillers, Coolers, Cryotrap &amp; Cryopumps, etc.</strong> — heaters, chillers, coolers, cryotrap, cryopumps, refrigeration systems</td>
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<td>AUGUST 2015</td>
<td><strong>Gas Analytical Systems, Instrumentation &amp; Metrology</strong> — leak detectors, vacuum gauges, RGAs, gas monitors, mass flow controllers, mass flow meters, plasma chemistry monitors, instrumentation, mass spectrometers, gas chromatography, monitoring/control equipment, etc.</td>
<td><strong>Gas Handling &amp; Delivery Equipment</strong> — Cabinets, piping, manifolds, safety, storing, transporting, purifying, distribution, storage and mixing equipment for high-purity gases as well as exhaust conditioning and gas scrubbers typically used in vacuum production, semiconductor fabrication and R&amp;D processes</td>
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<td>SEPTEMBER 2015</td>
<td><strong>Deposition &amp; Evaporation Sources &amp; Materials</strong> — sputtering targets, evaporation sources, ion sources, cathodes, metals and other materials used for deposition and coating applications</td>
<td><strong>Thin Film Deposition &amp; Coating Services</strong> — vacuum-based coating and deposition providers using sputtering, evaporation, and metallizing for deposition and coating</td>
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<td>OCTOBER 2015</td>
<td><strong>Deposition, Coating, Cleaning &amp; Etching Processing Equipment</strong> — sputtering, PVD, CVD, ALD, PECVD, e-beam, ion beam, evaporation, coating, metallizing, roll-to-roll, box coaters, plasma cleaning and etching</td>
<td><strong>Vacuum Hardware: Valves, Chambers, Feedthroughs, Seals, Flanges, Fittings &amp; Related Component Hardware</strong> — valves, chambers, feedthroughs, seals, flanges, fittings handling-manipulation equipment, bell jars, collars, adaptors, bellows, viewports, traps, piping, etc.</td>
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<td>NOVEMBER 2015</td>
<td><strong>Thin Film Metrology, Measurement, Characterization &amp; Analysis Equipment</strong> — ellipsometers, spectrometers, surface profilers, thickness/flatness/hardness testers, stress analysis, thin film characterization/uniformity</td>
<td><strong>Power Supplies, Plasma Sources &amp; Accessories</strong> — DC &amp; RF supplies/systems, RF generators, impedance matching networks, etc.</td>
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<td>DECEMBER 2015</td>
<td><strong>Vacuum Pumps</strong> — all production vacuum pumps including roughing, high-vacuum pumps, very-high-vacuum pumps, cryogenic pumps as well as vacuum pumps used in R&amp;D</td>
<td><strong>Materials — Oils, Fluids, Lubricants, Chemicals &amp; Gases</strong> — chemicals, gases, vacuum fluids, oils, lubricants, and other materials used for deposition, coating and vacuum processing equipment operation and/or maintenance</td>
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**Product Submissions & Information for VT&C Product Showcases**
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ADD-ON RATES & SPECIFICATIONS
PRODUCT SHOWCASE DIGITAL EDITION

As of January 1, 2015, only one Product Showcase listing (per showcase topic) will be included in the print and digital Product Showcases; current advertisers can submit up to 4 listings per showcase. For additional listings and options please see below:

RATES

DIGITAL PRODUCT SHOWCASE ADS:
Full page = 50% off print issue rate.
1/2 page = 50% off print issue rate
1/4 page = 50% off print issue rate
Rates for all sizes include up to 4 product showcase listings*

NON-ADVERTISER RATES FOR DIGITAL PRODUCT SHOWCASE:
To increase Product Showcase listings (digital ONLY) up to 4 = $300 per showcase

ADD-ON RATES FOR DIGITAL PRODUCT SHOWCASE:
Slide Show/Video Clip/Voice Over = $300 per showcase

*when placing more than one ad in the digital Product Showcase, additional listings (up to 4) are available - please contact the publisher for further information.

SPECIFICATIONS FOR DIGITAL ADD-ONS

VOICE OVER: 30 second maximum, must be submitted in MP3 format. Submit final MP3 file to VT&C's production department for approval. Only one Voice over per spread is available, it can be embedded in the stand alone digital Product Showcase within a specified listing or can be embedded in an ad within either the digital monthly magazine or the stand alone digital Product Showcase. VT&C can also produce voice overs, text must be supplied by advertiser/company to the Publisher. Please note, deadline for providing text for voice overs is 1 1/2 months prior to the insertion of the voice over. For further information please contact the publisher.

VIDEO CLIP: 1 minute maximum, submitted in either FLV or F4V format with the following requirements: The recommended bitrate is between 300kb/s and 700kb/s. The maximum file size for a video is 100MB. Videos must have a duration of 1 second or more. Files must be provided by advertiser/company. The Video clip can be embedded in the stand alone digital Product Showcase within a specified listing or can be embedded in an ad within either the digital monthly magazine or the Product Showcase stand alone edition.

SLIDE SHOW: Maximum of 5 (five) high resolution images (minimum 300 dpi), JPEG format required. The Slide show can be embedded in the stand alone digital Product Showcase within a specified listing or can be embedded in an ad in either the digital edition or the Product Showcase stand alone edition.

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