



## **ARC Technologies to Exhibit at DesignCon 2016**

**Amesbury, Massachusetts, January 13, 2016** – ARC Technologies is showcasing its wide range of capabilities to solve microwave and RF interference, radar absorbing, and EMI control challenges at **2016 DesignCon** ([www.designcon.com](http://www.designcon.com)) in Santa Clara, CA.

Learn more about ARC Technologies new testing capabilities and solutions, including their newest Hot Melt Absorbers, Focused Beam Testing system providing electromagnetic test capabilities up to 110 GHz, the ARC Clear Conductive Electromagnetic Shielding AC<sup>2</sup>ES™, and the latest automotive anti-collision radar materials.

The latest *Hot Melt Absorber* product line gives the customer a very simple and fast way to apply absorber to a surface that requires noise suppression, for example a PCB. Different hot melt products are available depending on application and frequency requirement.

The **AC<sup>2</sup>ES** is an advanced, optically clear, transparent, thin-film conductor that provides excellent EMI shielding and conductivity. It is a robust, ultra-thin, flexible film incorporating conductive nanoparticles and a low-cost direct replacement for Indium Tin Oxide (ITO) films. AC<sup>2</sup>ES is available in flat or 3D form, or can be supplied pre-cut to exact customers' specifications.

Addressing automotive radar designers and autonomous vehicle technology needs for accuracy and reliability, ARC Technologies has perfected a family of optimal RF noise mitigation materials. These materials can be formulated, molded or otherwise fabricated to best suit the application. ARC Technologies can help get technology up to speed with new radar absorber products **SB1009**, **SB1006**, and **MC1000**. Its SB and MC series absorbers are weather and chemical

resistant and are suitable for use on the vehicle body, bumpers and other exterior surfaces.

ARC provides material testing and qualification services to many ASTM and MIL standards. It offers electromagnetic test capabilities up to 110 GHz with the addition of a focused beam system. Measuring a material's permittivity ( $\epsilon$ ) and permeability ( $\mu$ ) is critical in the design and development of high frequency materials and systems. The ARC Technologies Inc. focused beam system allows for non-destructive, accurate measurements of these material parameters, including reflection and transmission loss, from 2-40 GHz and 75-110 GHz. The testing service provides customers a more affordable and fast way to turn around their testing needs.

At the ARC Technologies booth #1246, request a free **Engineering Survival Kit (ESK)**. ESK is intended to get material engineers started in solving EMI/RF noise issues and help select the product best suited for their application.



### **About ARC Technologies**

ARC Technologies is the leading supplier of microwave absorbing materials for commercial and defense applications. While providing a complete range of standard absorber products, ARC Technologies also offers dielectric materials, composites, radomes, and radar absorbing structures (RAS).

[www.ARC-Tech.com](http://www.ARC-Tech.com)