

News Release

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Start-up Company Aims to take the hassle out of Flexible PCB procurement

FOR IMMEDIATE RELEASE

Murrysville, PA, July 10, 2009. Circuits, LLC, a start-up company, is poised to set new standards for high reliability flexible PCB manufacturing— saving their customers time, money and the headaches commonly associated with PCB vendors. The company's founder, Adeodato Vigano was determined to create a facility designed for virtually defect-free manufacturing and staff it with the industry's most experienced and brightest talent available.

Operating under a Quality Management System (QMS) ensuring predictability, repeatability and the highest yields, the modern 50,000 square foot facility was designed specifically for flexible PCB manufacturing. Due to rigorous quality control requirements, the center of the operation is a self-contained Class 1000 clean room which houses all photo-sensitive and imaging processes. The mechanical and wet processes surround the clean room to create a highly efficient work flow. Fully accessible to their customers, the senior staff at Circuits is comprised of hand-picked PCB engineering and fabricating professionals with more than 150 years of collective design, material and process expertise united by a common vision of better, more adaptable PCB manufacturing and support service.

"Many of the PCB manufacturers today are producing flexible circuits on the same equipment as their rigid PCB products, and the problem is that the chemistry and the processes have subtle differences that typically result in quality problems for the flexible boards" according to Brian Kaboly, Sr. Process Engineer, "At Circuits, the facility is designed specifically for the intricacies of manufacturing flex." Copper plating is the keystone of a reliable finished product and by far the most complex single process in the manufacturing of any circuit board. Circuits chose the combination of a low deposit of electroless copper immediately followed by a full-panel electroplating step. This ensures the best hole plating characteristics while allowing for a streamlined, lean process that is as efficient as it is reliable and controlled.

Circuits, LLC will focus primarily on the Defense, Industrial and Medical markets where flexible PCBs are in demand due to the properties offered over wire cabling and rigid boards such as increase in circuit density, weight reduction and streamlined packaging. The ability to bend and fold a circuit board expands the boundaries of product design and packaging. Circuits aim to eliminate the hassle of buying flex by delivering the highest quality product, on time, every time with a fully accessible staff to aid customers in designing for manufacturability. All products are built using IPC-6013 as the default performance specification. The QMS is designed to meet the requirements of MIL-PRF-31032 and ISO9001:2008, yielding products that can comply with virtually any military or commercial standard at no extra cost to Circuits' customers.

About Circuits, LLC

Circuits, LLC is a quality-driven, customer-focused manufacturer of highly reliable built-to-spec flexible printed circuit boards serving the defense, industrial, and medical markets with consistent quality and on-time delivery unsurpassed by competitors.

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