

# CIRCUIT SOLUTIONS INTERNATIONAL (CSI)



Circuit Solutions International represents top-tier providers of military (ITAR) approved advanced design multilayer printed circuit boards and printed circuit board assembly / electronics contract manufacturing services to clients in the Mid-Atlantic region. We provide supply chain management for offshore and domestic manufactured commercial (IPC) specification multilayer printed circuit boards, contamination analysis and remediation services for data center environments and engineered sheet metal solutions for telecom, military and medical applications.



**ADIVA** is a printed circuit board (PCB) design validation software tool which allows designers to achieve "Best in Class" results. This is achieved through early deployment of design checking tools, establishing design integrity metrics, Incorporates rules driven metrics, deploys fabrication and assembly analysis, and implements collaborative/ visualization processes.



**All Flex** is a leader in the flexible circuit industry serving the aerospace, medical, instrumentation and telecommunications industries. All Flex, Inc. specializes in complex circuitry, including "Maxi-Flex" circuits (2 ft. - 40 ft.), "Power Flex" for high current thick copper applications and "Sculptured Flex" products. Full connector assembly and SMT component assembly services are available. All Flex is UL certified, ISO certified, ITAR registered, IPC Class III compliant, RoHs compliant and certified to AS9100.



**Bare Board Group** is a leader in printed circuit board distribution. PCB's are manufactured offshore. Class 2 and 3 compliant. All order sizes are accepted. Experience offshore pricing with domestic sales, engineering and customer service.



**Data Clean** is the worldwide industry leader in Computer Data Center cleaning and zinc whisker remediation. On-site services include Zinc whisker sampling for Scanning Electron Microscopy (SEM) analysis, air flow analysis and thermal energy analysis to determine cooling rates for sensitive computer environments. Data Clean will analyze your site to determine the proper remediation program to assure a zinc whisker free process environment, reduce energy costs and extend computer life cycles.



**Eltek** is recognized worldwide as a leader in military and life critical medical advanced design printed circuit manufacturing. The company recently secured \$1.2 million in U.S. medical equipment orders, which reflects the increasing recognition of their high-end flex-rigid PCB circuitry capabilities in the U.S. market. Military approvals include Mil-55110, Mil-50884 and Aerospace Specification AS-9100 for rigid, rigid/flex and HDI printed circuits. Eltek is DoD approved and approved for International Trafficking in Arms (ITAR) printed circuits and manufactures layer counts in excess of forty (40) layers.



Wylie, Texas based **Global Innovation Corp.** is a Mil-PRF-31032 certified manufacturer of advanced design printed circuitry for military / aerospace applications and high technology commercial applications. Product specialties include; HDI technology, Blind and buried vias, laser drilled micro vias and copper filled vias, sequential laminations, Hybrid builds featuring Rogers laminates, advanced edge plating capabilities, heavy copper circuitry with patented induction test capability. ISO certified and ITAR registered with multilayer builds to 40+ layers and rapid processing to include three day turns.



**Milplex** is a North American based (Canadian) manufacturer of thermal management based printed circuit boards. Milplex offers a wide range of thermally conductive printed circuit board solutions using Laird Technologies, Arlon and Ventec materials. In conjunction with these materials Milplex provides special features. These features include metal backing, heavy copper, thermal vias and hybrid builds with other FR4 and Microwave material. Some of the applications for these materials include the LED, Motor Control, Power Supplies, Power Semiconductor Modules, and Automotive Industries.



**Trucut** is a Virginia based supplier of fabricated metal components. Established in 1988, Trucut features laser cut precision metal work and has in-house powder and welding processes. Trucut features various level of assembly and integration complexities.



**Waytec** is a preferred supplier of high-technology printed circuit boards for the North American marketplace based in Lynchburg, Va. Waytec is RoHs compliant, ITAR approved. ISO certified and has high Tg materials capability, rapid prototyping and production capacity for 1-24 layer designs. Waytec is presently in the DESC certification process for full military approval



**Zentech** is a Baltimore, Maryland based provider of electronics contract manufacturing (CM) for the military, telecommunications and high-end medical OEM markets. Zentech features full in-house services including product design, engineering services, BGA and SMT assembly and ESS testing, functional test and unit level build capabilities. Component supply chain management and ship from inventory finished goods programs.

## Contact CSI

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