



Engineering Design and Analysis

Advanced Custom Machining

Fabrication and Welding

Assembly and Testing

Installation Services

Robotic Integration

Motion Control and Automation Technology

Build to Print

Turn-key Services

Breaking the Limits.. Engineering the Future



ISO 9001:2008 Certified
www.adc9001.com

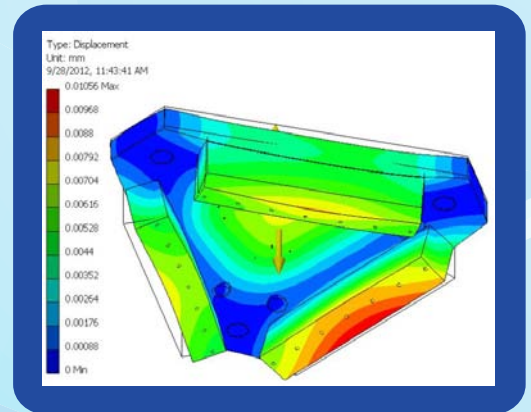
Company Overview

ADC USA, Inc. is an international company committed to providing our customers with cutting edge technology and innovative designs. For over 20 years, we have maintained our reputation for high quality craftsmanship and exceptional product support. Our markets – Science Community, Industrial Engineering Systems, U.S. Defense, and large government laboratories - demand products with the highest standards of Quality, Performance, Accuracy and Reliability. Today, ADC's systems can be found worldwide. We are proud of our ISO-9001 facility and our cost-effective manufacturing operations. We understand the importance of our worldwide support for our products and customers.

Engineering Design and Analysis

The Engineering Design and Analysis group is a multi-disciplinary team of engineers with unique training and creativity, and dedication to meeting the needs of our customers. ADC uses the latest computational and graphics software and hardware to approach the most challenging problems in the Aerospace, Automotive, Nuclear, Ultra-High Vacuum, Automated Machinery, Electro-Optical Products, synchrotron, high energy physics, and neutron diffraction communities.

- Finite Element Analysis
- Magnetic Design
- Optics Design
- Conceptual Design
- Materials Selection
- Tooling Design
- Fabrication Specifications
- Virtual Prototyping
- Design Analysis and Optimization
- Detailed Design
- Component Design



Advanced Manufacturing

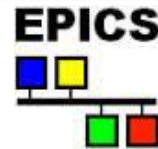
ADC provides machining systems and products to our diverse customers from structural metal fabrication to turn key design products with complex control systems. ADC is fully equipped with a CNC precision machine shop; and over the past 4 years our unique ability to fabricate/provide parts for precision vacuum machining equipment has grown immensely. Our process begins with providing quotes, which we prepare, based on specific drawing requirements given to us by the customer.





Electronics, Instrumentation and Software

ADC has several electrical/software engineers and techs capable of providing custom circuit design and complete turn-key control systems. Some of our skills include integrated PLC design and programming, analog and digital circuit design, logic design (including PLA and FPGA programming), stepper and servo motor applications, microprocessor, RFID, serial and RF communications, and system controllers. Our standard motor controls and driver that we offer is the Aerotech Ensemble™ series controllers. However, many of our customers have requirements for custom integration of these components into a functioning system, fully debugged, documented, and ready for operation. Software skills and development platforms include Microsoft Visual C++, LabView, EPICS, Visual Basic, CNC, and generic PLC (AB, NAIS, GE-Fanuc, Schneider, etc.) and Parker ACR and Accroloop. Our primary skill, however, is the integration of these components into a functioning system, fully debugged, documented, and ready for operation.



Assembly & Testing

ADC is well equipped to handle any standalone fabrication and machining requirement, it is often the integration of these talents, combined with higher level assembly and testing, that brings the value added our customers demand.





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