

IDA
CORPORATION
Your Profit Partner

**Custom
Electronic
Engineering
& Design**

**Custom
Electronic
Manufacturing
& Assembly**

Put our
expertise to
work for you

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idaco.com

Electronic Manufacturing and Assembly

Printed Circuit Board Assembly (Thru-hole)

Mid-western work ethics and a seasoned staff ensure a quality assembly. Small to medium volumes can be produced through the use of both manual and auto insertion equipment.

Printed Circuit Board Assembly (SMT)

Machine placement of parts as small as 0402 SMT components are easily accomplished with our modern surface mount production line. IDA's low overhead and hands on attention to detail provides economical production of even the lowest volume projects

Cable & Wire harness Assembly

Quality cable and wire harness needs are economically met while maintaining the highest quality standards. We provide services from simple cut and stripped wire to complex cable and wire harness assemblies.

Component Sourcing and Costing

The heart of any successful manufacturing endeavor is finding the right parts at the right time at the right price. Our staff draws upon two decades of electronics buying experience to service you. Our large in house inventory of components can be used to your advantage to lessen lead times and lower your project's start up costs.

Bill of Materials (BOM) Development

Proper documentation is vital to long term success. Let our 25 years of experience work for you. We can help you organize your product into professional BOMs and ease the transition to high volume and/or off shore production.

Test Procedures

High yields are obtained by complete testing throughout the manufacturing process. Our experienced staff can develop test fixtures for use in the factory as well as in the field.

Electronic Design and Engineering

Our experienced and highly motivated engineering staff will support your project every step of the way. From feasibility consulting to final product design we have the skill and the experience to help you.

Electronic Hardware Design Capabilities:

Designing to fit your specific needs is always our goal. Throughout IDA's twenty five-year history, such high profile firms as General Electric, Uniden, and Lockheed Martin have called upon IDA to provide electronic design solutions.

Our design services include:

Printed Circuit Board (PCB) Design
Prototype Fabrication
Cabling and Interconnect Design
Digital, Analog, and Mixed Circuit Design

Printed Circuit Board (PCB) Layout
Systems Architecture Design
Real-Time Data Acquisition Design

Mechanical Engineering Design Capabilities:

With experienced mechanical engineering talent on staff, IDA can assist you with any packaging or enclosure design needs that your project might require. Whether the situation calls for plastic or metal we can prepare your project for the tooling phase. Our staff has extensive knowledge of both hard and soft tooling as well as SLA style prototypes.

Our design services include:

Plastic Injection Molding Tool Development
Metal CNC Enclosure Development

Plastic CNC Molding Development

Software and Firmware Design Capabilities:

IDA offers an extensive variety of programming services. Our staff is skilled in creation of both Application Software and Embedded microprocessor or Firmware programming. You will find IDA written "code" in every corner of the world. From simple applications to program your device to embedded firmware controlling some of the most sophisticated communications devices. From complex vehicle mapping applications to high-powered web based business solutions our people have the talent, experience, and creativity to do it right the first time. Available services include:

Application Software Programming in Visual C++, Visual Basic, and Delphi

Embedded Processing Programming
DSP Applications

uController Programming

Real-Time processing

Firmware Coding in Assembly and C
Operating Systems Integration for Windows family
Custom Cell Phone User Interfaces

Web Development in HTML and JavaScript
Database programming

General Engineering Services:

We continually strive to meet or exceed our clients' requirements by providing the highest quality professional services and by always looking after the project's best interest. Additional services:

Project management
Environmental Testing

Design to UL, CE, and CSA Standard