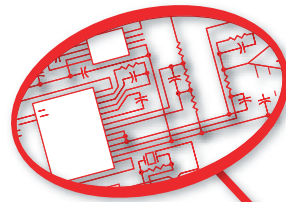


Electronics engineering



Our electronics engineers can take your design from concept to reality. With on-site expertise in all disciplines of electronics.

- Infrared Communication
- User Interface (UI) Development
- Electromechanical Design
- Embedded Controller System Design
- Radio Frequency Technology
- Remote Signaling
- Digital Circuit Design
- Analog Circuit Design
- Mixed Mode Circuit Simulation
- Motor Controls
- Video Image Processing
- FPGA Design (Altera, Xilinx)
- ZigBee, 802.11, Bluetooth
- Sub-miniaturization
- Test Equipment Design
- Component Specification
- Component Recommendations
- UL, CE, CSA Approval Process
- Microprocessor Based Control Systems
- Industrial Controls and Instrumentation
- Power Management
- Portable/battery based power systems
- Membrane Switch Design
- Wired and Wireless Communications Design and Implementation
- Network-based communications
- Schematic capture
- PCB layout
- Multilayer board design
- Circuit simulation and analysis

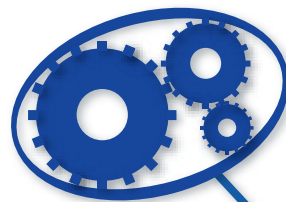
SR® offers on-site software and programming services using a variety of languages and techniques for both embedded and PC development applications.

- Visual Basic .NET Assembly C++ LabView Java SQL XML ASP
- Portal Based Software Solutions
- Data Driven - Dynamic Web Content

Software engineering



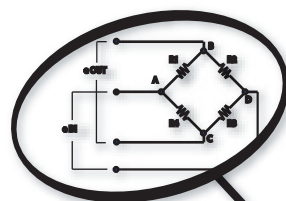
Mechanical engineering



SR's engineers are skilled in the latest state-of-the-art 3D solid modeling and analysis tools. This combined with years of design experience enables us to deliver a wide variety of design capabilities.

- Mechanical Design, Development, and Simulation
- Materials Research and Recommendations
- 3D Solid Modeling
- Finite Element Modeling and Analysis (FEA)
- Process Recommendations and Selection
- Detailed Part Drawings
- Assembly Drawings
- Part and Tooling Cost Research

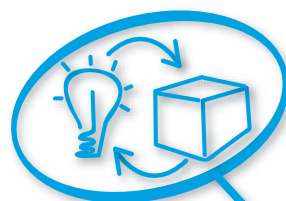
Custom load cell design



Our forte' has been in the development and manufacturing of custom load cell solutions for a wide variety of applications. We have the advantage of in-house design and manufacturing to produce our load cells on site. This allows SR® to design load cells specifically to the application for which they are intended. Our design expertise, along with automated precision manufacturing, means that you will not pay a custom price for a custom load cell solution.

- Failure Modes and Effects Analysis (FMEA)
- Design for Manufacture (DFM)
- Design for Assembly (DFA)
- Product Requirements Analysis
- Risk Analysis
- Mechanism Analysis

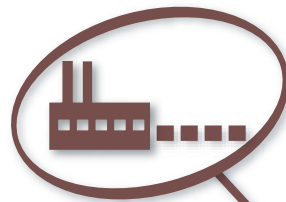
Prototype development



SR® can bring you from concept to prototype in record time. We can cut months off of your design schedule to deliver full working prototypes to your specifications and get your ideas to market quickly.

- Visual Models
- Engineering Proof-of-Principle Model
- Prototype Development
- SLA Models
- Operational Prototypes
- Prototype Tooling
- DFM and DFA Considerations
- Graphics and Artwork

Contract manufacturing



Whether it's your existing product or a custom design SR® can manage your production needs. SR® is an ISO Certified manufacturing facility offering full production, packaging and shipping services. We specialize in smaller to medium range production volumes. Whatever your needs, SR® has a solution for you.

- Full Machine and Fabrication Capabilities
- CNC Automated Machine Centers
- Manual Milling and Lathe Operations
- Project Management Services
- Vendor Managed Inventory Programs
- Traceability
- Small to Medium Volume Production Runs
- Packaging
- Shipping



ISO Certified

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