



Introduction to Dickerson Engineering Services

We are engineering solution experts. We have over 2 decades of experience developing new products, process development, program management, and facilities start up. Our focus is with the Medical, Automotive and Telecommunication industries. The staff maintains ties with experts in these industries to stay abreast of industry changes.

Manufacturing Expertise

Developing a new process can present many challenges. We have considerable experience developing new processes and improving existing ones. In order to ensure we are reviewing all possible solutions we coupled our expertise with a network of process experts.

We have expertise with the following processes: metal stamping, cold heading, machining, assembly, non conventional machining, CNC turning, CNC grinding, CNC vertical machining, laser welding, laser marking, Electro-polish, Passivation, Pickling, Cleaning, Rapid Prototyping, and injection molding.

The manufacturing expertise also extends to lean manufacturing. This includes starting up facilities from a clean sheet of paper, Kaizen Events, 5S and Standard Work.

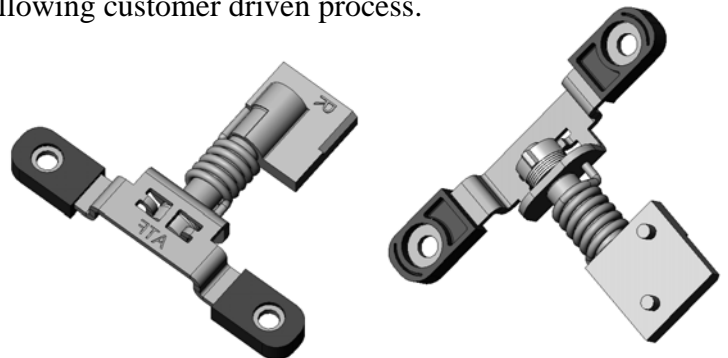
Documentation can be tailored to your specifications.

Product Design and Development

Design and developing a new product requires creativity and innovation. Our Principal Engineer is named on a number of Utility, Design and Process patents for other companies.

We design and develop products using the following customer driven process.

- Product Design Information
- Develop Solid Model
- Product Review
- Prototyping and Testing
- Mechanical Drawing Construction
- Production Tooling
- Production Pilot Run



Project Management

Launching a successful program requires experienced, skilled program managers. Our team has numerous successful program launches under their belt. The programs range from starting up manufacturing facilities, manufacturing cells, mechanical assemblies and single components.

Communication is one of the main key components to a successful program launch. We achieve this with the use of various program management tools such as project plans, dashboards and action lists and of course clear written and verbal communication.

Specific Services Offered:

- Engineering Leadership
- New Product & Process Development
- Engineering Stream Lining Tools
- Strength Calculations
- FEA
- 3D Printing (Metals and Plastics)
- Tool Design
- Machine Design
- Fixture and Gage Design
- 3D Solid Modeling & 2D Drafting
- Program & Project Management
- Manufacturing & Continuous Improvement Engineering
- Lean Manufacturing
- IQ/OQ/PQ Validations
- Capital Selection and Justification
- Root Cause Analysis
- Vendor Selection & Negotiations
- Raw Material Selection
- Gage R&R's, DOE's, Capability Analysis
- Process Flow Diagrams, PFEMA's



Contact Us

Speak directly with our Founder and Principal Engineer Harry Dickerson. He has over 25 years of experience developing new products and working with manufacturers. Harry has a number of patents for captive fasteners, torque limiting captive fasteners and a process patent for high speed manufacturing of fastener components. He'll be happy to talk with you about your project.

Harry can be reached at
847-548-4195 or harry.dickerson@DickersonEngineeringServices.com

