

Design
Analysis and
Manufacturing

Full Service Engineered Solutions

For

Product and Equipment Development



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SMP Tech, Inc.

“At SMP Tech, we take pride in our company and a job well done.”

SMP TEN STEPS of Engineering Development

- 1 **PRODUCT DEFINITION**
- 2 **CONCEPTUALIZATION**
- 3 **INITIAL DEVELOPMENT**
- 4 **BREADBOARD**
- 5 **FINAL DEVELOPMENT**
- 6 **DETAIL DRAWING**
- 7 **PROTOTYPE**
- 8 **DOCUMENTATION**
- 9 **PREPRODUCTION**
- 10 **PRODUCT LAUNCH**

In today's fast engineering solutions t

SMP provides customers with expert en
complex systems, for medical, bioscienc
established companies that need to supp

ENGINEERING ANALYSIS

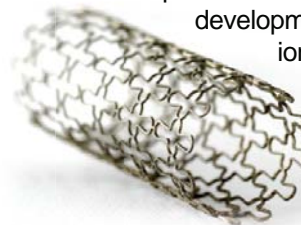
Using first principle analysis and CAD tools, we can quickly determine the significant parameters and scope of your project. These parameters are then thoroughly investigated with our state-of-the-art simulation FEA software and checked again by our experienced engineering team.

PROOF OF CONCEPT PROTOTYPE

To demonstrate feasibility and to verify physical principles, we build “Proof of concept prototypes.” This reduces the risk of using inadequate designs and allows us to test key components early in the developmental process.

PRODUCT DEVELOPMENT

Our engineers are highly experienced and creative, they can facilitate your vision by adding fresh and innovative approaches. Providing rapid and reliable engineering product development and manufacturing solutions, we will help your company to release a new product ahead of your competitors. Available when you need us, you can access your markets without the financial burden of an expensive infrastructure.



ENGINEERING SOLUTIONS TO FIT YOUR SCHEDULE AND BUDGET

fast-paced global business environment, expert and accelerated
to analyze, design and manufacture are critical.

engineering analysis, design, and manufacturing of precision electro-mechanical assemblies, as well as
nanotech, cleantech and other high-tech industries. Our customers include emerging, rapid-growth, and
to complement or replace in-house capabilities to complete a project.

ADVANCED PRODUCTS

The commercial success of new products depends upon the controlled convergence of many technical elements. SMP offers a controlled process which includes the successful blending of diverse, seemingly unrelated professional disciplines, all of which are necessary to advance a highly technical product from a theoretical concept, through the stages of design, and into a successfully commercialized product.



PILOT PRODUCTION

The pilot production focuses on drawing verification, testing, and minor component adjustments prior to production. We will design and build your product, including the prototyping and purchasing of components and fabricated parts, providing a one-stop solution. We assist from concept refinement to the preparation of large-scale manufacturing for a global market.

APPLIED AUTOMATION

SMP's team of engineers understands the economics of automated equipment development, and has the know-how to design unique manufacturing machinery. Our applied automation engineering solutions include cost analysis for the specifications for design and build of automated systems, meeting the needs of our clients particular application.



ABOUT SMP TECH, INC.

SMP, a mechanical engineering firm, was founded in the Silicon Valley in 1990. Our name is derived from Simple Mechanical Powers, (SMP) which are six elementary building blocks of which all machines are composed. In 2000, we moved to a larger facility in Morgan Hill, California, consolidating our engineering, manufacturing, and laboratory spaces onto one campus.

We provide engineering analysis, engineering design, and industrial design as well as prototyping and manufacturing services, offering the finest solutions for the development of leading-edge products and equipment in the medical, biosciences, cleantech, and other high-tech industries.

Through improved in-house capabilities, we continue to expand and enhance our service as well as forming strong alliances with other highly specialized technical firms. Our services encompass engineering and the conceptualizing, specifying, designing, prototyping, validating and ramping up of a product successfully into manufacturing. With our engineering knowledge and experience, we will help you avoid the pitfalls that often derail engineering projects.

A SMP engineering expert is available to provide project planning and budgetary estimates.

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