



Bayard Design is a full-service product design and engineering firm specializing in Medical Devices. Our engineers bring over 20 years of experience in Medical and Consumer product design experience to your projects. We provide cost effective Engineered solutions to your product design challenges.

Bayard Design can run your project from proof of concept, to detailed design, to launch, and through to sustaining becoming your whole engineering department or a member of your established team. Our solutions comply with IEC 60601 and ISO 13485 to put you on track for FDA 510(k) and European CE mark approval. We have helped many established companies like *TransMedics*, *Corindus Vascular Robotics*, *MAP Pharmaceuticals* and a range of startups quickly get their products to market.

Bayard Design has a database of reliable suppliers and contract manufacturers in the US and China ready for all volumes of prototyping and production. As experts in rapid prototyping technologies we have in-house 3D printing and bring the latest best practices and techniques to bear on your product.

Bayard Design's Project Roles & Services

- Electro-Mechanical Product Design & Program Management
- Tolerance Analysis and Six Sigma Process Analysis
- Prototyping and Manufacturing Support
- Mechanical Engineering Analysis, FEA, CFD and Thermal Analysis
- Mechanical CAD/CAM Design in Solidworks
- Design Documentation
- Certification and Test Management

Portfolio Examples



Organ Transport System

FEA, DOE, Pugh, FDA,
Medical Device,
IEC 60601



Metered Inhaler

Drug Delivery, FDA,
Complex Mechanisms



Robotic Articulating Arm

Human Factors, FEA,
FDA, Medical Device,
IEC 60601



Heart Rate/Respiration Monitor

Consumer, MIL STD 810,
GPS, Injection Molding,
China, Military