

QUEST

## OVER 20 YEARS IN INNOVATION & EXECUTION



## OUR HISTORY

Relationships, experience and innovation define Quest Product Development.

Quest was founded in 1995 by a group of product development specialists with strong backgrounds in engineering, the physical sciences, and regulatory affairs.

The core team has worked together for over 20 years and helped bring over 300 products to market with our desire to innovate, solve, design and deliver.

Often Quest has served these organizations quietly in the background outside of the public's eye.

## OUR MARKETS

In Vitro Diagnostic  
Drug Delivery Systems  
Medical Device Development  
Biotechnology Instrumentation  
Analytical Instrumentation  
Therapeutic Devices



## YOUR VISION IS OUR QUEST

Quest strives to be the premier product development partner for organizations in the medical, instrumentation and laboratory science markets. We establish strong relationships by providing outstanding technical expertise, innovation and superior value. Our partners consist of those seeking commercialization of a vision.



## OUR TECHNOLOGIES

Since 2006, technology transfer has become an integral part of Quest Product Development, providing a means for our partners to develop and commercialize early stage technologies.

We have been awarded over \$7M in grants to fund technology development by focusing on organizations with IP portfolios closely aligned with Quest's technical and business development skills.

### In Vitro Diagnostic Sample Program

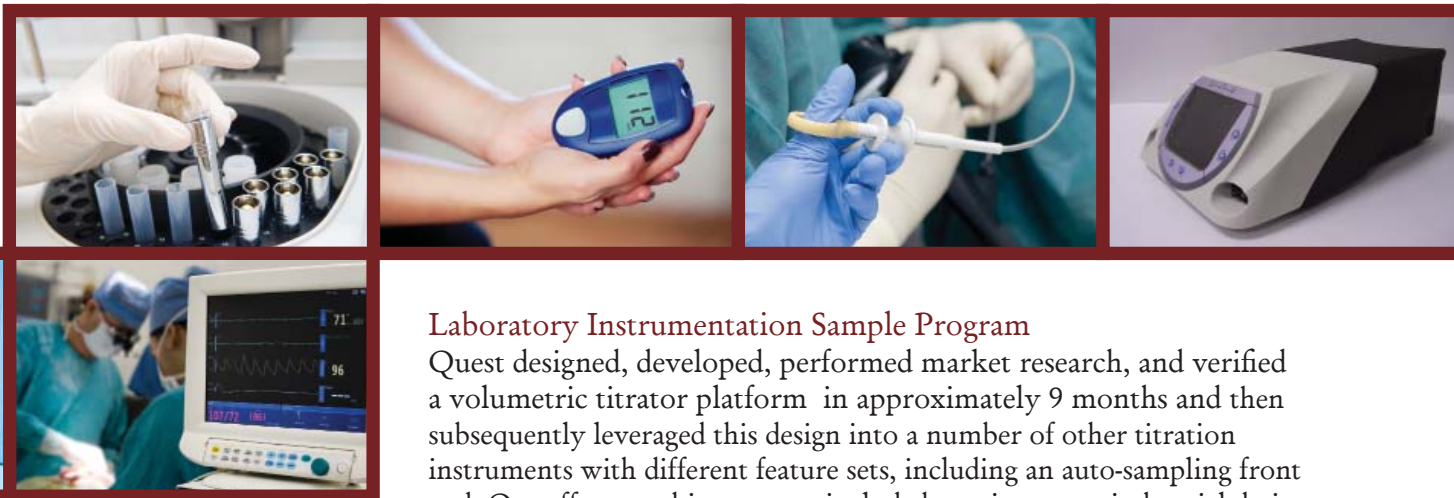
A highly complex serum based immunoassay system was architected, designed and built in just a little over two and a half years. The design embodied 11 PowerPCs running PSOS that communicated via Ethernet/RS-485 to 70+ peripheral controllers. The team for this program grew to 60 people and embodied mechanical, electrical, software and optics. Key technical challenges included:

**System Architecture,  
Optical Recognition/Quantification  
of the Florescent Signal,  
Fluidics, Thermal Control, &  
Finite Element Analysis of  
Mechanical Designs**

## OUR EXPERIENCE

Over the last 20 years we have built a solid foundation that provides the knowledge to carry out your projects, small or large, with excellent time management and within your budget. Our capabilities in these markets give you the confidence to grow your business by leveraging our expertise. Some examples in these domains:

- **In Vitro Diagnostic**
  - › Point-of-Care
  - › Immunodiagnostic/Coagulation
  - › Differential Diagnosis
- **Medical Devices**
  - › Disposables Devices
  - › Dental Equipment
  - › Defibrillators
  - › Topographic Imaging
  - › Pulse Oximetry
  - › EKG Monitoring & Triggering
- **Biotechnology**
  - › Microarray Reader
  - › Assay Automation (PCR)
- **Laboratory Instrumentation**
  - › Analytical Balances
  - › Electro-analytical/pH/Conductivity
  - › Robotic Samplers
  - › Time-of-flight Mass Spectrometers
- **Surgical Instruments**
  - › Endoscopes
  - › Tissue Welding/Ablation
  - › Navigation
  - › Ophthalmic Surgical Instruments
- **Other**
  - › RFID Readers
  - › USB Interfaces
  - › Blue Tooth Interfaces



### Laboratory Instrumentation Sample Program

Quest designed, developed, performed market research, and verified a volumetric titrator platform in approximately 9 months and then subsequently leveraged this design into a number of other titration instruments with different feature sets, including an auto-sampling front end. Our effort on this program included requirements, industrial design, proof-of-concept, design, prototype, and design transfer into our customer's manufacturing. Additionally we conducted market research, created manufacturing fixtures and wrote much of the user manual.

### Medical Devices Sample Program

The staff at Quest Product Development has worked on a number of Class III products and SBIR funded cardiac research programs. These include traditional defibrillators, EKG monitors electronics, and the coordinating of mechanical intervention with the EKG signal. Critical elements in the design and development process include:

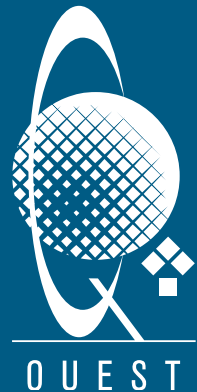
**Amplification of High Impedance Signals,  
High SNR Differential Amplifiers,  
Display of Real-Time Signals,  
Spectral Analysis & Extraction of  
Specific Signals for Real-Time Decision Making,  
Software Embedded Control Application & RTOS Integration**



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“Quest focuses on developing long-term relationships with their clients, providing value at critical junctures and pointing out where efficiencies and savings can be found.”

*Howard Merry ~ President, Lexicor Medical Technologies*



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