

Manning Applied Technology Scientific Research and Development Services

Manning Applied Technology (MAT) has been providing scientific research and development services for government, military, educational, and private sector needs for 15 years.

MAT has brought more than \$2 million of research funding to Idaho.

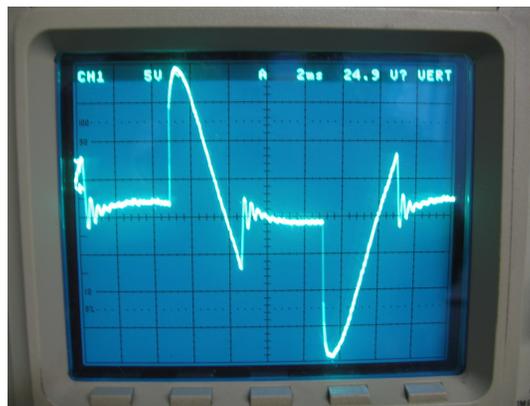
Our team of scientists and engineers provides expertise in test and measurement, infrared spectrometry, instrument design, advanced programming, and technical writing.

The competitive alternative to in-house research and development, with reasonable rates and real results.

Research

Testing and Measurement

- Advanced electro optics
- Optical metrology
- Interferometry
- FT-IR spectrometry
- Polymer rheometrics
- Time-resolved spectrometry



Technical and Scientific Writing

- Comprehensive proposal writing assistance
- Technical concept evaluation
- Expert technical and scientific editing services
- Technical language translation

Development

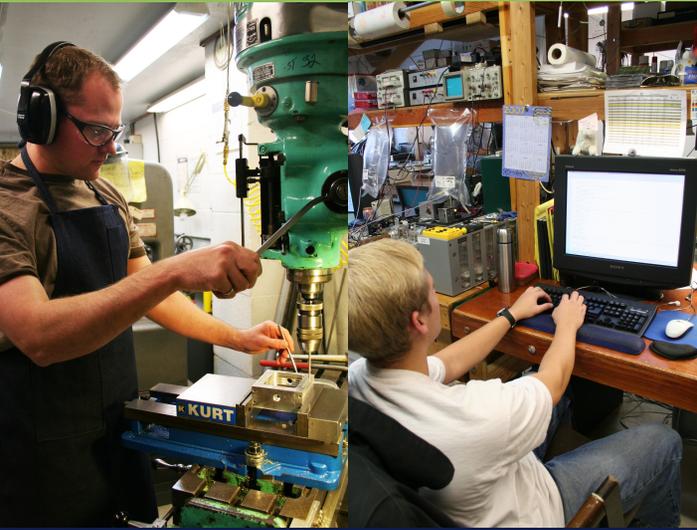
Instrument Design

- Rapid prototyping
- Scientific instrument design and development
- Circuit design and fabrication
- Computer Numerical Control (CNC) machining
- FT-IR design and fabrication
- Motion control and robotics
- Rheometric spectrometer design and fabrication
- Embedded systems design
- Finite Element Analysis (FEA)
 - Heat flow
 - Transient mechanical events
 - Stress defatation analysis
 - Fluid dynamics
 - Electrostatics
- Computer-Aided Design (CAD) / Solid modeling

Advanced Programming

- Digital Signal Processing (DSP)
- Microcontrollers and embedded devices
- Real-time data acquisition
- Field Programmable Gate Array (FPGA)

Manning Applied Technology constantly strives to achieve excellence.



"Conveniently located in Troy, Idaho"

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Manning Applied Technology

Scientific Research and Development Services

Expertise in test and measurement, infrared spectrometry, advanced programming, and technical writing, scientific writing services, instrument design, and advanced programming.

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