



**AUTOMATIC DISPENSING SYSTEM DEVELOPMENT**

**! SYSTEM CONCEPT DEVELOPMENT AND  
DESIGN TRADE-OFF STUDIES**

Amtech's expert engineering teams are experienced in the design of complex autonomous and remotely controlled systems that have been used in a variety of applications. This experience includes

**! ELECTRO-MECHANICAL SYSTEM  
DETAILED DESIGN**

- the generation, evaluation and selection of design concepts for further development,
- electro-mechanical system detailed design,
- the development of dynamics and process simulation models,
- prototyping of mechanical, imbedded software and electro-mechanical elements,
- system integration and bench and field testing, and
- engineering liaison with manufacturing facilities.

**! EMBEDDED SOFTWARE DEVELOPMENT**

**! PROTOTYPE SYSTEM INTEGRATION AND  
TESTING**

**! LIAISON WITH MANUFACTURING  
FACILITIES**

This experience includes the development of unmanned air vehicle control systems, implementation of improvements to an automatic dispensing system for hospital pharmacy applications, airborne remote sensing systems, and a project for the development of an automated laser eye treatment system.

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