

CAMBRIDGE ENGINEERING - FACILITIES

COMPUTING CAPABILITIES

- Gateway GP7-600 Pentium III 600 MHz Design Station
- Gateway 2000, 133 MHz Pentium Laboratory Host System
- Toshiba V3100 500 MHz Celeron Office Computer
- Various Laptop and Other Small Computers

SOFTWARE

- **MATLAB® Technical Computing Language**
- **SIMULINK® Dynamic System Simulation**
 - Signal Processing Toolbox
 - Communications Toolbox
 - DSP Blockset
 - Fixed Point Blockset
- **QED 2000, Momentum Data Systems**
 - Digital Filter Design and Analysis System
- **DSP Works, Momentum Data Systems**
- **Digital Signal Processing Simulation**
- **Sample Rate Conversion System, Momentum Data Systems**
- **Code Generators for DSP56000 and ADS21XX DSPs**
- **Micro-Cap VI, Spectrum Software**
- **ORCAD Capture, ORCAD, Inc.**
- **ORCAD PLD, ORCAD, Inc.**
- **'C' Cross Compilers for: 68HC11, 68000, 68300 Families, Introl Corp.**
- **PLD Design Tools, Altera Corp.**
- **PLD Design Tools, XILINX**
- **DSP Development Software for Motorola, Inc. DSP56000 Digital Signal Processors**
- **DSP Development Software for Analog Devices, Inc. 21XX**
- **Microsoft Visual C++ and Visual Basic**
- **Microsoft Office 2000**
- **Other Native Support Languages and Compilers**

EQUIPMENT

- **Tektronix TDS640A 500 MHz, 2 GS/s Four Channel Oscilloscope**
- **R3361B, Spectrum Analyzer with Tracking Generation 8 kHz to 3.6GHz**
- **Eagle RCB150X5, Return Loss Bridge**
- **Momentum Data Systems, Hawk DSP Development System**
- **Analog Devices, Inc., 2181 EZ Lab Development System**
- **SRS DS345, Synthesized Function Generator**
- **PM 6672, High Resolution Counter Timer**
- **PM 3350, 50 MHz Digital Storage Oscilloscope**
- **HP 4342A Q-Meter**
- **PM 3655, Logic Analyzer**
- **HP 1743A, 100 MHz Oscilloscope**
- **Miscellaneous Support Equipment, including:**
 - Signal generators, power sources and measurement devices

We work closely with a number of independent contractors to obtain services for printed wiring board layout and for breadboard and prototype assembly.