

## Innovation · Solutions · Results

**HDA Technology** is a full-service engineering firm specializing in electronic product development, with particular emphasis on medical electronics and regulatory compliance mitigation. We support FDA guidelines for development and meet ISO 13485 requirements.

Our projects span a broad range of design requirements: Doppler ultrasound, application specific electrosurgical generators, oximetry, spectrophotometric instrumentation, medical motion control, airborne electronics, and laser power supplies.



Our unique ability to create solutions and enabling technologies on behalf of our clients has contributed to a number of our start-up clients being acquired by major companies.



### Embedded system design

- ARM, AVR, Atlas STPC
- FreeScale 68000, TI DSP
- Integrated graphics
- Video capture and playback
- Intel 8051, 8096, 80196, x86
- MicroChip 16, 18 and 24 series processors

**Microchip Design Partner**

### RF power generation and control

- CO2 Lasers
- Electrosurgical generators;
  - Bi-polar
  - Monopolar
- Plasma generation
- Tissue ablation
- To 100MHz
- To 2500W

### Low power RF

- Bluetooth
- Digital Networks

### RFID systems

**Atmel CryptoRF™ Design Partner**



### Qualification Testing

- EMI mitigation
- ESD mitigation

### Analog design

- Active filters
- Control systems
- High Speed
- Low noise
- Precision Instrumentation
- Sensor conditioning

### Motion control

- Airline seating and displays
- Imaging tables
- Medical / Dental Chairs
- Surgical instruments

### Custom Test Equipment

- Production test fixtures
- Component characterization
- Transducer verification
- Sensor Calibration
- Vacuum tube test and match

### Remote control

- Radio controlled models

Our goal is to be your preferred electronic development partner.

Our mission is to provide your company with a reliable, effective development resource.