

CICERO BIOINSTRUMENTATION

Cicero Bioinstrumentation provides outsourcing and standalone project services to the medical and biotech communities. We complete projects that require regulatory compliant solutions in a cost effective and timely manner by using "off-the-shelf" as well as custom design solutions.

Our experience ranges from requirements gathering and design documentation to the integration of automated equipment used in the medical manufacturing environment. We are well suited to provide complete solutions to any project.

For organizations needing to develop an idea, software needs, or product management, Cicero Bioinstrumentation also provides partnerships for product/software development, marketing, and consultation and training.

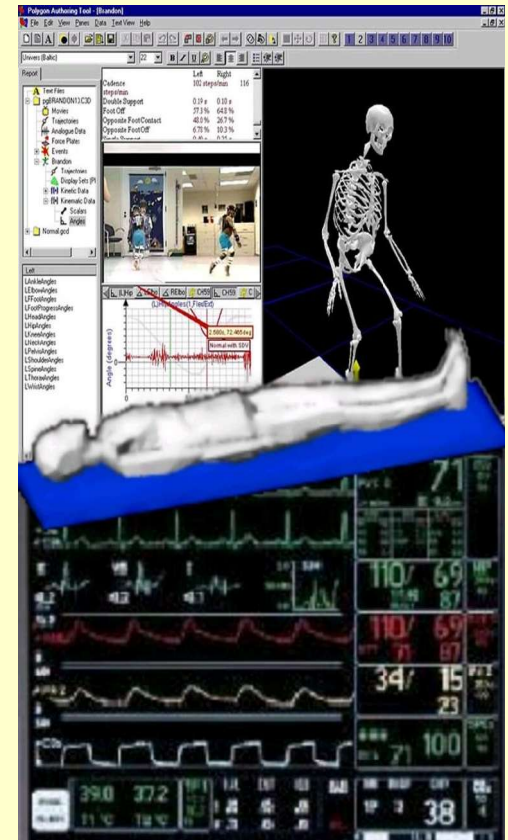
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P.O. Box 410
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*Solutions for the Medical and
Biotech World*

Cicero Bioinstrumentation is a full service engineering company that provides medical device design and testing, industrial and process engineering services for medical manufacturing, laboratory automation design, integration and engineering V&V.

DEVICE DEVELOPMENT

Cicero Bioinstrumentation provides device development and design services for products that are electromechanical, imaging, or PC/embedded based systems. Every design project we do includes the following,

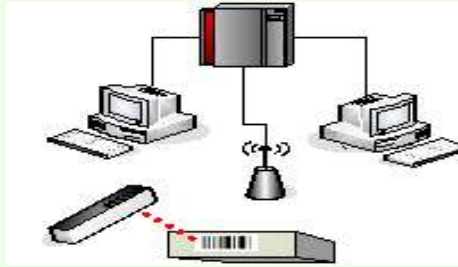
- Requirements Gathering
- Hazard Analysis
- User Requirements
- Functional Requirements
- Verification & Validation Planning
- Design Specifications
- FMEA
- Test Development
- Unit Testing
- Integration Testing
- System and Acceptance Testing
- User and Maintenance Manuals

Cicero Bioinstrumentation uses strict design control guidelines that assist in the management of documentation to ensure regulatory compliance. Design control includes revision and version control on part numbering schemes for component, subassembly, and assembly management.



LABORATORY AUTOMATION

For the Biotech market we provide software and laboratory automation and informatics services for genomics, proteomics, pharmaceuticals, and agricultural laboratories.



MANUFACTURING

Cicero Bioinstrumentation manufacturing solutions include applications from large load palletizing to small scale assembly. Manufacturing solutions also include workcell design and workcell integration for complete manufacturing automation.

Our people are highly skilled in the area of robot application design, industrial integration, industrial and laboratory data controls and control system communications as well as implementing a variety of embedded controllers, PLC, and PC-based controllers to meet customer requirements.



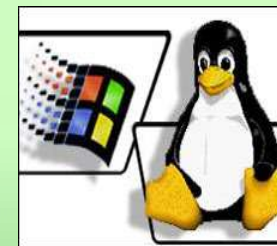
SOFTWARE

Cicero Bioinstrumentation's software engineering capabilities cover a wide range of hardware and software platforms. All software development at Cicero Bioinstrumentation includes software design control, software life cycle management, software testing, and version/revision control.

Cicero Bioinstrumentation's staff has experience with developing Windows applications covering all releases of Windows. We also develop software for the Win CE platform for embedded controls and PDA/ handheld hardware.

Cicero Bioinstrumentation develops Linux GUI applications using application frameworks such as GNOME and KDE, as well as Linux console applications using ncurses.

Cicero Bioinstrumentation can also assist customers in porting their application from other operating systems to Linux, while maintaining the look and feel of the original application.



APPLICATIONS INCLUDE:

Medical Device Controls
Treatment Controls
Embedded Controls
Automated Equipment Control
Image Acquisition and Processing Test
and Measurement Systems