

WHO WE ARE

THE COMPANY

Eclectech, Inc. is a majority female-owned business whose goal is to provide novel solutions to your needs. We specialize in concept development, prototype design, and project management of mechanical, electromechanical and automated systems. We can also assist with upgrading or maintaining your existing equipment.

We have partners to assist with larger projects, electronics, and fabrication needs. Whether you need a unique solution designed from scratch or are looking to modify, enhance, or extend the capabilities of existing equipment, we can help.

THE PEOPLE

Lee Barger - Our senior mechanical design engineer is a licensed Professional Engineer with a Masters Degree in Mechanical Engineering from **North Carolina State University** and 17 years experience in project management and custom device design.

We support the FIRST Robotics Competition to prepare our youth for the workforce of tomorrow. For more information, please visit the FIRST website at www.usfirst.org or our team at www.teamawkwardturtle.org.

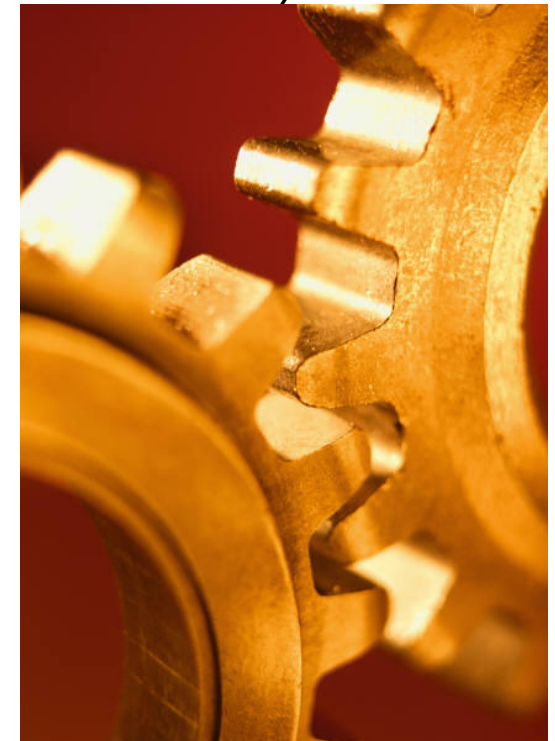


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ECLECTECH, INC

CONCEPT DEVELOPMENT,
PROTOTYPE DESIGN &
PROJECT MANAGEMENT

*Novel Solutions for Your
Mechanical,
Electromechanical, and
Automated System Needs*



WHAT DO YOU NEED?

THE VISION

Eclectech, Inc. is in business to help you solve your mechanical, electromechanical, and automated system challenges.

- Do you need a custom machine for an R&D project?
- Is there a commercial system that does not quite meet your needs off the shelf?
- Do you need to prototype a device to prove a concept?
- Have you identified an issue with your process but do not have a ready solution?
- Do you have custom systems that require maintenance or support?
- Are you interested in paperless fabrication but are worried about unforeseen issues?

We can help!

Call

919-244-7817

or Email

lee.barger@eclectechinc.com

HOW DO WE HELP?

THE EXPERIENCE

With over 17 years of experience in R&D, we have done everything from replicating existing parts to modifying commercial off-the-shelf systems to designing complex machines from scratch.

THE TOOLS

Our company uses SolidWorks Office Professional to model and analyze its projects. We can read and convert files from a variety of CAD formats and can provide SolidWorks models, assemblies and drawings to your specifications. We can also create machine-independent 2D and 3D files for your records or review. If you have particular file format needs, please let us know and we will do what we can to accommodate you.

We also have a 3-axis CNC mill for small fabrication jobs.

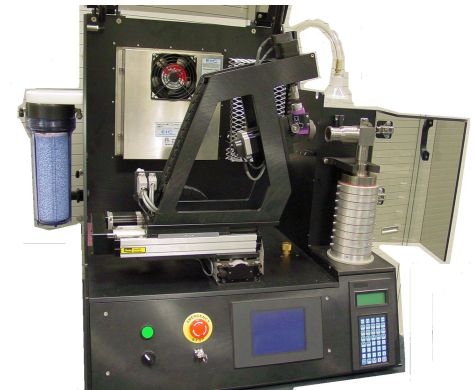
THE SERVICE

We work with you to define the scope, requirements, and timeline of the project. Then we provide regular updates on the progress toward your solution.

EXAMPLE PROJECTS



Weld Force Monitor: **We packaged 2 load cells with preload in a device the size of a metered dose inhaler to aid set up of automated ultrasonic welders.**



Automated Shaker Firer: **We developed the enclosure and configured a 2-axis table, rotary shaking action and environmental controls for this automated testing station.**

NOVEL SOLUTIONS: **Our staff has been awarded 5 patents with additional patents pending, has international patent publications and published in The Journal of Combinatorial Chemistry.**

See our web site for details.