

## **THERMAL / STRUCTURAL ANALYSIS ENGINEER ID NUMBER: 105-7100**

AcuTemp Thermal Systems is a manufacturer of temperature-sensitive packaging and shipping solutions. We combine superior proprietary technologies with unmatched systems expertise to deliver high performing temperature management solutions. Our storage solutions range from small passive shipping boxes to large active pallet-size shipping containers equipped with sophisticated data-logging capabilities. Our products are marketed directly and through a global network of distributors to businesses with temperature sensitive requirements in the pharmaceutical, biotechnology, public health, defense and transportation/logistics markets.

We are a growing, dynamic company seeking a **Thermal/Structural Analysis Engineer** to support the development of new products (HPI, Passive Shippers, and Active Systems) with reduced development times through Computer Aided Analysis and Simulation.

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### **Key responsibilities include:**

- Performing thermal calculations, including thermal Finite Element Analysis (FEA), to minimize development time and ensure products meet requirements.
- Performing structural calculations, including Finite Element Analysis (FEA), to minimize development time and ensure products meet requirements.
- Providing feedback to Project and Design Engineering for optimization of products through simulation.
- Becoming the resident expert in insulation properties (physical and thermal), in the modeling of PCM (phase change material) cooling and heating analysis, and active system (thermal and structural) analysis.

### **Requirements:**

- Bachelor's degree in Mechanical Engineering, Applied Physics, or other relevant technical discipline.
  - Master's Degree with concentration in thermodynamics or heat transfer preferred, along with 3-5 years relevant experience in a product development or applied mechanics environment working with thermal and structural simulation.
  - Must possess a high-level of knowledge of Finite Element Analysis (FEA) and mathematical analysis, having that experience in Algor is preferred
  - Familiarity with Solid Modeling CAD software, preference for that knowledge to be in SolidWorks.
  - Strong interpersonal skills, both written and verbal.
  - Must possess analytical thinking and reasoning skills and ability to set and maintain schedules.
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We are committed to selecting the best people for our positions and helping them develop the job skills to realize their full potential. We offer a competitive wage and benefits package. For immediate consideration, please e-mail, fax or mail your resume, along with salary requirements to:

[resume@acutemp.com](mailto:resume@acutemp.com)

or

fax or mail your resume to:

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