

Mainstream Engineering Corporation is seeking a Product Development Engineer to support the development of new commercial energy conversion and thermal control products. A successful candidate will have knowledge and experience in transitioning complex electrical/mechanical prototype hardware into production ready products. Experience in electrical specifications, mechanical tolerances, GDT, and manufacturing are necessary. Please note that we are looking for experienced product development engineers and **not** project managers [for this position](#).

Mainstream is a solutions-oriented research, development and manufacturing small business founded in 1986. Our Engineering Mission is to research and develop emerging technologies and to engineer these technologies into superior-quality, military- and private-sector products that provide a technological advantage. Areas of expertise include thermal control, energy conversion, turbomachinery, chemical technology and materials science. We offer a complete benefits package including 401K, company paid health, dental, vision and life insurance.

Mainstream is seeking a New Product Development Engineer to:

- Perform Design for Manufacturing (DFM) studies on R&D Engineering designs.
- Create detailed designs based on initial R&D Engineering design concept to satisfy requirements of project.
- Create and implement process plans for production and quality of products.
- Create detailed fabrication and assembly drawings.
- Perform make-vs-buy studies of product components.
- Specify and procure materials and components for new products.
- Specify, procure, and install equipment and tooling for manufacture and quality control of product.
- Measure, analyze and countermeasure quality of production and suppliers.
- Fabricate and assemble prototype components and systems.
- Create test plans and procedures based on project requirements.
- Test products to Military standards and/or Mainstream specifications.
- Create standardized work procedures for product assembly and train assemblers for production of products.
- Support low volume production to verify achievement of process plans and targets for quality, safety, efficiency, and cost.
- Adhere to project schedules and budgets for development of new products.
- Reduce investment through innovative ideas and technology.

Minimum Requirements:

- BS in Engineering (ME, EE, IE or Manufacturing discipline), Minimum GPA 3.3
- 5 years of Product Development experience including:
  - Product Development
  - Engineering Design
  - Design for Manufacturing

Please send resume to: [resume@mainstream-engr.com](mailto:resume@mainstream-engr.com) **Please submit transcripts with resume for consideration. (These do not have to be official)**