



Part time: Summer and Winter part time employment (ME/MET- 2 Available)

Full Time: Full Time (ME/MET- 1 Available)

Description: Project / Design Engineer - Suspension

Job Purpose: Product Development / ANZE Suspension Development: Design and Develop ANZE Suspension shocks, struts and suspension systems, manage all phases of projects, from design to production.

Engineering Job Duties:

- Solid Modeling – Develop models of new and current suspension systems / components using SolidWorks. Reverse engineer shocks and struts.
- Drawing Generation – Produce 2d drawings suitable for production
- FEA Design, Cost and Manufacturing analysis
- Procedure Layout and Documentation – prepare manufacturing and company test procedures to fully document current business operations
- New Product Development – Lots of new ideas
- Shop improvement – Design and implement tooling and fixtures to improve shop workflow and accuracy to reduce lead time and cost of production
- Office improvement – Explore ways to automate CAD or Office procedures
- Sales Support – support sales RFQ for all new project leads
- ERP Support – produce and maintain the part naming and numbering system. Prepare procedure documenting the current part naming and numbering system.
- Suspension Analysis – analyze geometry of old race cars solving handling problems
- Desire to work on race cars in all capacities – race mechanic to race engineer

Skills/Qualifications:

- FSAE or Mini BAJA active team member
- Solid Works proficient
- Must love Race Cars
- MS Office Suite – Excel proficient
- Experience in Automotive / Racing Background
- Teamwork
- Verbal Communication Skills

Bonus Skills:

- Suspension Analysis - Optimum K, SusProg3D
- Knowledge of Data Acquisition- Motec, Aim
- Knowledge of race car shock absorbers