



Job Posting #2: Senior Mechanical Engineer

Vanguard is an entirely new and distinct motorcycle brand, designed, engineered and built in New York City. With an advanced take on design and a unique approach to engineering, manufacturing and sales, Vanguard's vision is to redefine the premium motorcycle.

We are currently seeking sharp, motivated individuals to join a tight-knit engineering team in designing and producing motorcycles unlike any other.

Senior Mechanical Engineer

Role:

- The senior mechanical engineer will be part of a team responsible for developing Vanguard motorcycles from prototype through the end of production.
- He/she will work alongside the Head of design to solve challenging engineering problems in geometric dimensioning and tolerance, stress-strain analysis, heat management using CAE, FMEA, and physical testing.
- After the development phase of each motorcycle model, the senior mechanical engineer will assist in pre-production parts testing, manufacturing set up and troubleshooting, and assembly documentation.
- The senior mechanical engineer will be part of a cross-functional team reporting to the Project Manager.

Qualifications:

- Degree in mechanical engineering required, Master's degree preferred.
- Demonstrable practical experience in the powersports, automotive, or aerospace industries required.
- 3D CAD complete proficiency in Solidworks or close equivalent absolutely necessary for work.
- An extensive knowledge of light metal material properties, manufacturing processes, and CAE is paramount, as well as a full understanding of manufacturing techniques such as forging, welding, stamping, casting, extrusion, sheet metal forming, etc.
- The ideal candidate is pragmatic, meticulous, and has a passion for solving problems.
- Strong verbal and written communication skills.
- Proactive, self-motivated and ability to work independently, happy to work in a fast-paced, exciting startup environment and participate towards office life.

Compensation:

- \$90k to \$120k base salary
- Bonus target of 5% of base
- Medical benefits

Position:

Full-time in our New York City facility, located at the Brooklyn Navy Yard.

How to Apply:

Please send resume, cover letter and references to info@vanguard.nyc.

Portfolio of work highly encouraged.

Vanguard Moto Inc.

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