

JOB DESCRIPTION

Date: March 11, 2010
Position title: Composites R&D Engineer
Company: Vroomen.White.Design Inc.
Status: Full-time

Position Mission

Maintain and bolster Cervélo's position as the most advanced performance bicycle brand in the world through product engineering excellence.

Basic Function

Under the direction of Engineering Management, research and develop design concepts to enhance and support the advancement of cutting edge bicycle frame designs, associated material and manufacturing techniques, mechanical components and machinery of Cervélo's high performance bicycles.

Responsibilities

- Layup development and analysis using composite FEA tools
- Develop and use advanced composite engineering development tools (FiberSIM etc.)
- Analysis of failure modes and design changes to resolve stiffness and strength issues
- Identify and promote the quest for new concepts, ideas, design, technologies, processes, and materials that can be applied to push the envelope of product design and performance.
- Work within established design standards to advance product features and technical performance.
- Work with the engineering team to support on-time, on-budget delivery of new designs or technologies.
- Aid with the integration and development of new technologies and features into both new and existing company products.

Manager/Supervisor

- Engineering Manager

Working Conditions:

- Frequent international travel
- Long hours can be anticipated as required

Employment Requirements:

Knowledge/Skills:

- BS degree minimum in mechanical engineering or related field.
- Min. 5 years of experience with design and engineering of composite materials.
- Experience in adhesive structures design and various composite manufacturing techniques
- Experience working within a research and development environment with multiple projects deliverables to produce
- Experience using composite FEA tools and advance tools like FiberSIM.
- Experience with Solidworks is a must.
- Experience in a Quality Environment- ISO/AQAP/MIL, or similar.

- Fluency with Microsoft Office (Word, Excel, Outlook, Project).
- Excellent English written and oral skills; able to interact energetically, forcefully and effectively with constituents.

Ideal Professional Background

- SWX experience
- Experience with bicycle design or racing.
- Experience with motorcycle or automotive design or racing.

Behavior/attributes

- Demonstrated appreciation of the value of research and development testing in the success of product development.
- Continuous improvement focus: actively seeks knowledge and assimilates new knowledge into work practices.
- High personal energy level, capable of working with tight deadlines and multiple deliverables.
- Works effectively both within a team and independently

Work Preferences

- Enthusiasm for international travel to suppliers and partners. Able to function smoothly, forcefully and efficiently during trips.
- Enjoys making a difference in the success of the company.
- Attracted to work with innovative thinkers and techno-savvy enthusiast
- Interested in cycling would be ideal
- Stimulated by being part of the high-growth company