



Surfacing and Body-In-White Engineer

Singer Vehicle Design – Sun Valley

About Us:

Since 2008, boutique restoration house Singer Vehicle Design, based in Sun Valley, California, has been sharing its obsession to celebrate the Porsche 911 – and with more than 100 commissions globally delivered to date, that obsession has been mastered through the craftsmanship of its artisan team and the ability to envision its clients' desires to reimagine the ultimate bespoke air-cooled 911. Through the highest levels of creativity, performance, engineering and technology – and now, partnerships with iconic and globally recognized organizations like Williams Advanced Engineering -- Singer has become THE symbol of why “everything is important.”

This full-time position, located in our Sun Valley office, includes competitive salary and benefits.

JOB TITLE: Surfacing and Body-in-White Engineer

Singer Vehicle Design is looking for a Mechanical Design Engineer to bring new vehicle components and assemblies from design to production, reverse engineer existing components, and manage complex CAD assemblies. This role will see an emphasis on surface modeling.

Core Requirements:

- Bachelor's Degree (or higher) in Mechanical/Industrial Engineering or Equivalent
- 5-8+ years of related design experience
- Applicants must be authorized to work in the United States
- Experience with CATIA V5 to develop complex 3D surfacing and solid models.
- An in depth knowledge of Solidworks 3D
- A strong knowledge of solid and surfacing modelling
- An understanding of 2D tolerance/engineering drawing
- Expert knowledge of BiW architecture and construction
- Experienced in Design for Manufacture and Assembly including typical low to high volume manufacturing processes, eg injection moulding, CNC machining, sheet metal, is essential.
- Experience integrating and managing large CAD assemblies
- Experience with engineering drawings, GD&T



- Experience with reverse engineering techniques and tools
- Ability to work in a team setting
- Outstanding time-management skills and ability to work across multiple projects at once

Specific Functions:

- Design new components using parametric modeling techniques. Reverse engineer existing components using applicable techniques and tools (measurement, scanning, prototyping).
- Create required engineering documentation - BOMs, engineering/manufacturing/assembly drawings, work instructions, tech memos, etc.
- See new designs through entire design process into production. Manage projects to ensure timely introduction of new components and assemblies.
- Work with assembly technicians to incorporate changes and improvements in new component design. Incorporate design for manufacturability and assembly.
- Manage vehicle level assemblies within Catia. Continually add components and assemblies towards the objective of a complete vehicle in CAD.
- Design and development of Body-in-White structures to meet vehicle requirements (function, cost, weight)
- Develop the architecture and propose alternative engineering solutions for design themes and provide feedback to design team
- Work on cross-functional teams (Studio, Manufacturing, Interior) to develop efficient designs and leading the integration of interfacing components. Develop engineering solutions to support our assembly team and drive quality, throughput, and cost improvements in the vehicle assembly process

Preferred Qualifications:

- 5-10+ years of Automotive CAD Design experience
- A-Class Surfacing Skills
- Experience with fabrication techniques and equipment
- Experience with 3D scanning and reverse engineering

IMPORTANT NOTICE:

This position is not limited to those duties in the job description. Duties and responsibilities can be changed, expanded, reduced, or deleted to meet the business needs of Singer Vehicle Design. The duties listed above are intended only as illustrations of the various types of work that may be performed. The omission of specific statements of duties does not exclude them from the position if the work is similar, related or a logical assignment to the position.

AAP/EEO Statement: Singer Vehicle Design (SVD) values a diverse workforce and as an Equal Opportunity Employer, SVD does not discriminate on the basis of race, creed, color, national origin, gender, religion, age, sexual orientation, disability, marital status, veteran status, or any other



status legally protected by Federal, State, or Local law. SVD assures you that your opportunity with this Company depends solely on your qualifications and other job-related factors

Salary: *Competitive salary for role and geography, amount depending on experience*

Benefits Package:

Singer Vehicle Design Benefits Package consists of Medical, Dental, Vision, and Life Insurance, Aflac Supplemental/Indemnity Plans, Paid Time-Off (PTO), and nine company-paid holidays.