



Location: Seattle WA or Tulsa OK

Position: **Senior Mechanical Design Engineer**

ClearSign Combustion Corporation is seeking a full time energetic, highly motivated and experienced mechanical design engineer to join our innovative engineering team. Compensation includes paid vacation, retirement savings plan and excellent medical, dental and vision benefits.

### **Duties and Responsibilities**

- Help lead the design and development of the company's disruptive technologies
- Create design layouts, BOM, general arrangement (GA) and detailed fabrication prints per industry standards
- Develop 3D models for input into engineering and/or CFD modelling software packages
- Specify materials of manufacture, manufacturing requirements including weld callouts
- Conduct and/or participate in gated, design reviews
- Support other aspects of the company activities such as sales, marketing, customer service, R&D and manufacturing
- Continuously improve company's systems and procedures

### **Requirements**

- Minimum 7+ years experience in the Industrial combustion arena (or equivalent)
- Expert level SolidWorks® CAD design experience (or equivalent)
- Experience with SolidWorks® Vault
- High mechanical aptitude, creativity and attention to detail
- Strong communications skills
- Ability to work independently and in a team setting
- Proficiency in Microsoft Office programs including Word, Excel and PowerPoint
- Excellent organizational skills
- B.S. Mechanical Engineering or equivalent

### **Desired Qualifications**

- Experience in the industrial burner industry, including hand on process burner (Natural and Forced Draft) and boiler burner design
- Familiarity with industrial burner fabrication practices and specifications
- Experience with ANSYS FEA (or equivalent)
- Experience applying VE/DFM to optimize and commercialize designs for cost reduction and ease of use
- Experience with high temperature ceramic materials
- Ability to travel, potentially up to 30% of the time

Salary will be commensurate with experience and qualifications and candidates must be legally authorized to work in the United States.

Forward resume and cover letter to [jobs@clearsign.com](mailto:jobs@clearsign.com)

ClearSign Combustion Corporation designs, develops and markets technologies that improve key performance characteristics of combustion systems, including emissions, energy efficiency and overall cost-effectiveness. Our ClearSign Core™ platform technologies enhance the performance of combustion systems in a broad range of markets, including the chemical, petrochemical, refinery, power and commercial boiler industries. For more information, please visit [www.clearsign.com](http://www.clearsign.com).