



Job Title: Mechanical Engineer

****Company Overview:****

Ventiva, Inc. is an electronic component manufacturer poised to launch its inaugural product into the active thermal management market. Ventiva's solid-state air solution, ICE, is a groundbreaking advance over the previous cooling technologies used in electronic devices. ICE technology removes heat in small form-factors. It is an enabling technology for future electronic device designs where current thermal management solutions fail. It is silent, vibrationless, stable, and a solution capable of being designed into laptops, TVs, and more by the world's largest OEMs. As we embark on this exciting journey, we are seeking a dynamic and experienced professional to join our team as a Mechanical Engineer.

****Job Summary:****

As a Mechanical Engineer at Ventiva, you will report to the VP of Engineering and play a pivotal role in design, development, and optimization of the thermal management system for our revolutionary laptop cooling solution. Your expertise will be instrumental in ensuring the reliability, efficiency, and overall quality of our product.

****Key Responsibilities:****

1. Work with the engineering team developing the first Solid State Active Thermal Solution for laptops, ensuring optimal heat dissipation and performance.
2. Conduct thermal simulations and analyses to optimize the design for various laptop configurations and usage scenarios.
3. Collaborate with cross-functional teams to create prototypes for testing and validation.
4. Conduct rigorous testing to verify thermal performance, reliability and durability under various conditions.
5. Identify and evaluate suitable materials for thermal components, considering factors such as heat conductivity, weight, and cost-effectiveness.
6. Work on continuous improvement initiatives to enhance the efficiency of thermal materials and components.
7. Collaborate with manufacturing teams to ensure seamless production processes and scalability.
8. Develop and maintain documentation related to design specifications, testing procedures, and quality standards.

****Qualifications:****

- Bachelor's or advanced degree in a mechanical engineering.
- 5 years or more of proven experience in designing and optimizing thermal solutions for electronic components, preferably in the laptop market.
- Hands on experience with the following; structured problem solving, design of experiments, root cause assessment, FMEA and statistical analysis (JMP and/or MiniTab).



- Hands on experience with implementing new products or process into the high volume manufacturing environment.
- Experience with qualifying new materials or processes in the electronics industry.
- Experience with developing new materials or processes from concept into production.
- Experience with SolidWorks, ProE, or other 3D modeling software.
- Strong understanding of materials science, heat transfer principles, and fluid dynamics.
- Excellent communication and interpersonal skills, with the ability to collaborate effectively with cross-functional teams.

Ventiva, Inc. is an equal opportunity employer, and we encourage candidates of all backgrounds to apply.

Salary Range: \$150K - \$190K

01/24/2024