



About ThermAvant Technologies

ThermAvant Technologies (ThermAvant) is a fast-growing engineering and manufacturing firm. We design and produce advanced heat sinks and heat spreaders based on the Oscillating Heat Pipe (OHP) technology and pumped microchannel cold plates for high power density applications. ThermAvant, founded in 2007, operates from a 33,000 sq. ft. facility in Columbia, MO and is AS9100 certified, ITAR compliant and primarily serves the aerospace, defense and opto-electronics sectors.

Role: Production Associate (on-site) (2nd Shift: Monday to Friday: 3 PM – 11:30 PM)

Description: ThermAvant is seeking a Production Associate to work closely with Production to support the design, build, testing and troubleshooting of custom thermal products.

Key Responsibilities

- Build and install test fixtures, instrumentation, and controls to conduct functional tests accurately and timely according to engineering provided instruction
- Process parts through all processes including fluid processing, testing, final assembly and shipping
- Operate testing equipment, e.g. data acquisition systems, multimeters, power supplies, chillers, etc.
- Communicate with managers on progress of assigned tasks and technical problems
- Assist engineering personnel in planning requirements for fabricating, installing, testing, and servicing heat transfer assemblies and systems
- Assist in maintaining a quality laboratory setting by implementing and demonstrating standard practices for new or existing equipment
- Aid in establishing and preserving documented procedures
- Perform quality assurance tasks on in-process and final hardware per specifications while meeting production schedules
- Practice and promote safety and good housekeeping practices
- Perform and participate in inspections, audits, and resolving non-conformities
- Work with others to promote and maintain a positive working environment
- Source and procure supplies, e.g. requesting quotations, generating requisitions, working with vendors
- Basic electrical wiring, instrumentation, and controls for various systems
- Other duties as assigned Candidate dependent tasks:
- Fabricate nonstandard parts for systems using hand-tools and power tools
- Light machining on manual lathe, vertical mill, drill press and band saw
- Review supplier catalogs and technical data to recommend equipment unit selections for systems.

Job Requirements

- ***APPLICANT MUST PROVIDE PROOF OF US CITIZENSHIP or US PERMANENT RESIDENCY***
- Coursework, certificate or degree from technical school in related field of study
- Familiarity with AS9100, ISO 9001:2008 or similar quality management procedures and processes (preferred)
- Ability to read and interpret mechanical drawings and schematics for fabrication and assembly
- Good computer (Word, Excel, e-mail) and communication skills (written and verbal)
- Meticulous attention to detail
- Good manual dexterity
- Able to physically handle heavy materials (>50 lbs) when necessary

- Desired experience with tools, equipment and processes including: Basic electrical circuit theory; Structural soldering (not solely wire or chip soldering); Laboratory testing in a controlled environment; Troubleshooting and development of first-generation solutions requiring practical on-the-floor solutions; Fluid handling, e.g. refrigerants, including cryogenic and hazardous fluids; Vacuum systems; General metal fabrication using hand or manual tools

Salary and Benefits

- Schedule: Full-time 40 hrs M-F (3 PM to 11:30 PM)
- Location: Columbia, MO facility
- Base Pay: Salary, TBD
- Bonus Pay: All full-time employees participate in performance-based compensation plan
- Paid time off: including 7 standard holidays plus competitive PTO package
- 100% employer-paid health/dental/vision premiums for employee