

## Product Designer (m/f) AKG of America, Inc., Mebane, NC

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### Tradition and Innovation

Since 1919 the AKG Group is a specialist in the field of heat transfer. Our group of companies is financially sound, innovative and expanding. With about 2,500 employees at 12 locations in Europe, the Americas and Asia we develop and produce heat exchangers for a multitude of application areas and branches.

**AKG of America, Inc.**, located in Mebane, North Carolina, is the main sales company of our US Group and responsible for the development and sales of our tailor-made heat exchangers for construction, forestry, agriculture, on-highway, compressor, material handling, industrial, off-highway, and mining markets.

### Tasks and Responsibilities

- Utilize high skill level in use of CAD software (Solid Edge) to develop 3D parametric solid models and production drawings used to manufacture custom designed heat exchanger assemblies
- All design documents must be detailed, accurate and organized
- Product Designer is responsible for preparing documents and instructions necessary for project to be “released for production”
- Revise existing 3D models and production drawings (detail and assembly drawings)
- Use of engineering knowledge to compute angles, weights, surface areas, volumes, center of gravity, moments of inertia, stresses, simple forces, etc.
- Use data management systems (PLM) to store and manage CAD data in a secure and organized manner
- Generate bills of material to be located in material/resources planning systems (SAP) This data must be detailed and accurate and bills of material will be used to schedule and plan material used in production facility
- Create complete, detailed designs from preliminary information provided
- Analyze design requirements and recommend possible solutions/alternate construction
- Utilize knowledge of various manufacturing processes (machining, shearing, punching, forming, brazing, welding, assembly, etc.) to develop designs that can be cost effectively manufactured
- Possess understanding of sheet metal CAD tools, steel, aluminum, composites, etc.
- Review tolerance stack-up of proposed design, checking dimension of parts, relation of one part to another, and relation of complete heat exchanger assembly
- Must be able to interpret and apply Geometric Dimensioning and Tolerance (GD&T) as required
- Be familiar with CAD/CAM software and relationship of CAD to CAM
- **Reports to:** Manager, Engineering Design Services



## Job Qualifications

- Associate's degree in Mechanical Design/Mechanical Engineering Technology curriculum required (and/or equivalent experience and training)
- Possess a strong CAD background. Solid Edge experience and knowledge of fluid power, heat transfer and hydraulics is strongly preferred
- Must be well organized and able to function efficiently in multi-tasking situations
- Strong interpersonal, analytical and communication skills
- Proficiency using Microsoft Office Suite
- Ability to understand and use internal business and engineering computer applications
- Ability to work independently

**Starting Date:** As available

### Application to:

AKG of America, Inc.  
Manager, Talent and Recruiting  
7315 Oakwood Street Extension,  
Mebane, NC 27302-0370, USA

E-Mail: [HR@akg-america.com](mailto:HR@akg-america.com)

