

JOB NOTICE

Job Opening: Design Engineer

Location: Pulaski Facility

JOB SUMMARY

Essential Duties and Responsibilities:

- Design & Prep new tooling to make castings for customer when no feasible tooling exists.
- Create all 3D models and drawings needed for tooling construction by pattern shop according to established procedure
- Tooling design for all types of wear resistant castings produced for mining, cement and aggregate industries.
- Create models and drawings of patterns and cores
- Develop gating, and risering for castings
- Prep existing tooling for pattern shop
- Develop solutions for problematic casting trials and make necessary modification
- Develop models to CNC limits and capabilities
- Understand and apply patternmaking principle to CNC models and programming
- Perform all other duties as assigned.

EDUCATION:

Bachelor's Degree in Engineering - Mechanical preferred

English required - French or Spanish a plus

PROFESSIONAL EXPERIENCE:

Minimum of 2 years' experience of 3D parametric modeling and assembly / Pro E (CREO) preferred

Foundry or related environment experience a plus

Experience in pattern and core box tooling design and construction preferred

Ability to visualize objects and assemblies in 3-D

Strong Mathematic and Engineering background

Basic Metallurgical Principles

Experience with MAGMA SOFT (MAGMA 5) a plus

PHYSICAL DEMANDS:

Individuals may need to sit or stand as needed. Requires walking primarily on a level surface for periodic times throughout the day with occasional climbing of stairs and ladders to access manufacturing work areas. Reaching above shoulder heights, below the waist or lifting as required to file documents or store materials throughout the work day. Proper lifting techniques required. Minimal travel may be required (U.S. and International). Travel required in U.S. (less than 10%) minimal international travel.

WORK ENVIRONMENT:

The performance of this position will regularly require exposure to the manufacturing (foundry) areas that require the use of personal protective equipment such as safety glasses with side shields, hard hats, steel toe shoes, flame resistant clothing and mandatory hearing protection. Sitting, viewing computer monitors for long periods of time.

OTHER REQUIREMENTS:

Drug Screen

Background Check

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HR COORDINATOR

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