

Ariel Corporation

Foundry Engineer

LOCATION: Mount Vernon, OH, USA

DESCRIPTION:

This position is one of the primary liaisons between the Company's manufacturing processes, the foundries and the pattern shops. This is a technical resource that identifies quality gaps and continuous improvement initiatives, in the internal or external manufacturing processes, and drives the solutions to reduce gaps. This role also responds to quality issues as they occur, ensuring communications back to foundries and pattern shops and initiating the non-conformance follow-up. Additionally, this role provides research and recommendations for new foundry and pattern shop suppliers from a technical aspect.

RESPONSIBILITIES:

- Communicates and follows-up with appropriate foundries on non-conformance issues found and initially documented by internal manufacturing processes.
- Inspects supplied parts, typically on scrap walks, to determine type of failure and analyzes cause of failure. If appropriate, uses available test equipment and analysis methods for assessment.
- Collaborates with foundry suppliers as to root and contributing causes to the casting defect as well as implementing effective corrective actions for resolution.
- Documents, issues and provides feedback as to success of corrective actions as appropriate.
- Tracks and trends foundry performance metrics. Shares information with appropriate parties to determine if additional actions are needed to meet yield performance.
- Demonstrates an understanding around pattern equipment integrity.
- Functions as a key resource to evaluate risk in suppliers' processes and equipment and appropriately manages the risk as necessary.
- Coordinates design and development of new patterns between pattern shop, foundry and the Company.
- Documents agreed processes and results, assisting with corrective actions as needed.

QUALIFICATIONS:

- Requires Bachelor's degree in mechanical engineering or related technical discipline.
- Requires minimum one to three years of experience in metallurgy, castings, pattern making and foundry practices (co-op/intern experience considered).

Ariel offers an excellent workplace to grow personally and professionally, and includes many comprehensive benefits such as:

- Competitive wages
- Quarterly profit sharing plan
- Company paid retirement plan
- 401K with company match
- Full health care benefits, including dental and vision; and a free on-site health clinic for all fulltime employees and their dependents
- Tuition reimbursement program
- Life & disability insurance
- Paid holidays and generous paid-time-off program
- Qualified relocation assistance

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