

# Position:

## Product Development / Process Jr. Engineer

COMPANY : **AMETEK**

**AMETEK, Inc. is a \$4.7B global diversified manufacturer of electronic instruments and electromechanical devices.**

AMETEK is well positioned in highly competitive market segments, each with compelling growth characteristics. We expect continued business growth through the execution of our four key strategies: Operational Excellence, Strategic Acquisitions, New Products, and Global & Market Expansion. Supporting those strategies are 17,000 associates employed across 30 countries.

At AMETEK, we are committed to a corporate culture that values diversity and fosters a work environment that enables colleagues to develop meaningful and rewarding careers. We consider ourselves responsible corporate citizens and are committed to operating our facilities in an environmentally responsible manner. We also are sensitive to the needs of our communities, and, as a company, support programs that help those communities meet their health, education and social needs.

AMETEK is publicly traded on the New York Stock Exchange (NYSE: AME) and a component of the S&P 500

BUSINESS UNIT :  
**Specialty Metal Products**

AMETEK Specialty Metal Products manufactures and markets a wide range of products including; powder, precision tubing, and precision strip. These products are available in a wide range of materials such as; stainless steel, nickel alloys and titanium to the end use markets of; aerospace, medical, nuclear, and oil & gas. We deliver exceptional products and service to customers around the world, every day.

Website: [www.ametekmetals.com](http://www.ametekmetals.com)

## SUMMARY

**The Junior Engineer** will support Technology with the development of new metal powder products via hydride-dehydride, aluminothermic smelting, and other operations. Operate various metallurgical laboratory equipment including electron and optical microscopes. Organize, summarize and present data to Technology team in support of Market and Product Development initiatives. Recognize opportunities to improve existing operations and document process changes as required for aerospace and medical markets among others. Set up, conduct and document short-term experiments and long-term projects.

This position reports directly to the Senior Metallurgist and has no direct reports.

## KEY RESPONSIBILITIES

In an assigned work area, performs the following tasks associated with the development of Company products:

- Prepare and complete metallurgical experiments as directed by the Senior Metallurgist. Set up and operate pilot scale thermite reactions, crushing, milling and screening operations to support R & D programs. Perform routine maintenance on all equipment as required.
- Prepare materials for metallurgical and analytical lab analysis. Operate SEM/EDS. Summarize test results for analysis and evaluation.
- Assist and support benchmarking activities related to RAI raw materials and expand current statistical analysis of product and process data.
- As directed by Manager, provide analytical services and conduct evaluations for other Ametek locations.
- Prepare evaluation samples for shipment including international, maintaining compliance with multi-modal hazardous shipment regulations.
- Maintain a self-improvement program by staying current with industry relevant trade journals and other activities as necessary.

## REQUIREMENTS FOR CONSIDERATION

- Bachelor's degree (BS) in Materials Science, Chemistry or a similar science discipline with 0-5 years of experience. Similar Associates Degree plus 3-5 years or more of industrial work experience, preferably in a Powder Metallurgy area will also be considered.
- Proficiency with mounting and polishing metallurgical specimens and/or thermodynamic modeling software would be a plus.
- Ideal candidate would also possess working knowledge of how to set up and maintain both pilot scale manufacturing equipment (crushing, milling and screening) as well as lab equipment (microscopes, powder characterization tools).
- Ability to work independently on individual assigned projects and collectively as a supportive team member is required.
- PC skills with Microsoft office applications desired with knowledge of Lotus Notes a plus.

## How to Apply

Contact HR Manager; Alexia Pursley, PHR, [alexia.pursley@ametek.com](mailto:alexia.pursley@ametek.com)