

Chemical Engineer-005138 [Schenectady, NY]

Description

This Chemical Process Engineering position will have broad responsibilities in a high volume HTS manufacturing line, including the areas of process development/improvement, equipment specification and procurement, facilities support, and ensuring company wide compliance with environmental standards.

Additionally, this person will also support to SuperPower's research and development division, located at the University of Houston, providing early manufacturing involvement in the development of new HTS manufacturing processes and equipment.

Specific Qualifications / Technical Skills Required:

- Demonstrated hands on experience in a high volume manufacturing environment, with extensive experience in chemical processes, equipment, and associated control methods.
- Specific experience in chemical and electrochemical processing as related to electropolishing, electroplating, solgel coating, and continuous printing methods is highly desired.
- Experience in continuous processing (ie: film coating, laminating, and converting) is highly desirable. Experience in the areas of roll to roll processing, wire fabrication, cable and/or coil winding would be helpful.
- Experienced in data management, using SPC, DoE, Six-Sigma, FMEA, Lean Manufacturing methodologies.
- Must have good problem solving skills with the ability to identify new processing methods and machines, working with other process engineers and scientists in developing timely solutions.
- Must be able to manage all phases of multiple medium sized capital projects as related to process equipment and facilities, completely from concept through design, to commissioning, responsible for implementation, training of manufacturing operators and development of SOP, work instructions, preflight checklists, etc.

General Qualifications:

Because of the nature of special product fabrication, technology development, and technology transfer, a wide range of skills is required or will be acquired.

- Applicant must have superior communication skills and must work well with other engineers, technicians, management, and particularly well with the equipment supplier's technical representatives.
- Individual must have a positive attitude and be able to work within a team environment. Must be a positive influence on department morale, and be a leader by example.
- Be a highly motivated, self starter who is genuinely interested in solving the challenges of new product and process control systems implementation.
- Exhibit leadership and a sense of ownership for work assignments.
- Effectively accomplish work assignments in a timely and organized manner.
- Applicant must be willing to work overtime and/or on weekends when required.
- Travel = 10%