

**High Temperature Superconductors, Inc. (HTS)** develops and manufactures high temperature superconductive wire and complementary products. HTS is based in Santa Barbara, CA.

**HTS** is hiring a Process/Senior Process Engineer to oversee various sputter deposition processes used in the production of high temperature superconducting wires. The ideal candidate will have prior hands-on experience with vacuum deposition equipment and processes, in particular dc, ac or RF sputtering. You will be part of a team bringing new equipment online and driving initial process development and optimization. You will ultimately be responsible for several sputter tools, take the processes to production, train technicians/operators and develop SPC process control. Familiarity with clean room protocol is desired. This could be an entry or senior level position depending on experience.

Work hours and benefits:

- Work hours – Full-Time
- Benefits – Medical, Dental, Vision, Life, Legal and 401K
- 3 weeks PTO, 11 paid holidays, 2 personal days
- Stock options granted to all employees

**Process/ Senior Process Engineer responsibilities include:**

- Bring up new sputter deposition equipment
- Develop, optimize and maintain sputter deposition processes for continuous processing of superconducting tapes
- Take processes to production
- Develop metrology methods for process control
- Define and establish SPC protocols
- Develop and document standard operating procedures and work instructions
- Train technicians and operators
- Communicate workplace safety precautions to employees and ensure safe work practices

**Requirements**

- Proven hands-on experience with sputter deposition equipment and processes
- Excellent verbal and written communication skills
- Excellent organizational skills
- Excellent analytical/critical thinking
- Familiarity with clean room protocol is desired
- Ability to work with limited direction in a fast-paced dynamic start up environment
- Knowledge of statistical process control (SPC, Six Sigma, DOE) is desired
- Knowledge of Labview software for process control is a plus
- Experience with continuous processing is a plus

Education and Experience Requirements:

- Minimum 3 years in related positions

*Please send work history and compensation requirements to:*

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