Job Description

Job Title:	Welding Engineer	**Department:**	
Positive Type:		**Job Code:**	
External Posting URL:	http://seniorssp.com/jobs.php		
SSP Portal:	http://inet.ssp.local/jobs.php?RO=1		
Applications Accepted By:			
EMAIL: SSPRESUMES@SENIORSSP.COM Subject Line: Welding Engineer	**MAIL: SENIOR AEROSPACE SSP · Welding Engineer** 2980 N. San Fernando Blvd, Burbank CA 91504		
Job Description			

OVERVIEW:

Senior PLC (London: SNR) is a $1.4B corporation that is comprised of two major divisions, Senior Automotive and Senior Aerospace. Senior Aerospace SSP is an autonomously run $130M business and is one of eight business units comprising the $400M Fluid Systems division of Senior Aerospace. This major business unit is headquartered in Burbank, CA and is a recognized leader in the design and manufacture of high temperature, high pressure duct systems, exhaust and fuel systems fabricated primarily using exotic materials for aircraft turbine engines, airframes, space, and ground based applications. 60% of the products are proprietary to SSP, and business breakdown being 70% long-term legacy programs and 30% new programs. Titanium, Inconel, and other lightweight high temperature materials are manufactured into complex components requiring forming, tube bending, heat treatment, welding, machining, assembly and all necessary NDT processes. The business is vertically integrated with a fabrication shop that supplies 90% of materials needed to the assembly production line and both groups are interdependent on the other for planning and scheduling purposes. The company's manufacturing capabilities include CNC tube bending, drop forming, hydro forming, spin forming, welding, heat treating, and insulation. The manufacturing content is high mix, low volume with an average bill of materials (BoM) between 2-9 components per product. The company produces approximately 3,000 products per month. Major customers include US Government (DLA), Bombardier, Gulfstream, Lockheed Martin, Boeing, Airbus, Pratt & Whitney, Orbital Space Systems, and UTC Aerospace Systems.

Recently, the company has been increasing its process sophistication, transitioning from build-to-print to design-to-spec and transitioning from batch manufacturing to flow line production. SSP has seen steady year to year growth and is poised for significant growth in the future. The business has won contracts on several new programs and is projected to reach $140M in revenue by 2018. New program wins contributing to this growth include Airbus A320neo, Bombardier C-series and Lear L85, and Snecma LEAP-X engines. SSP recently constructed an additional building at the facility in order to provide more capacity and capability for growth.

In order to support new business growth and maximize operational excellence, Senior Aerospace SSP intends to hire a Welding Engineer. This position will report directly to the Manufacturing Engineering Director and will be based at the company's facility in Burbank, CA.

MISSION:

The Welding Engineer covers the assignment to and the independent performance of varied and complex professional duties in the specialized field of welding of materials, parts or assemblies. Plans performance of assignments comprised of programs ranging progressively from simple to moderately complex problems in the specialized field of welding.

PERFORMANCE OBJECTIVES:

To achieve the mission for this position, the Welding Engineer will produce the following critical actions and results:

- Study and analyze the technical and cost aspects of existing information relating to a welding problem before starting investigations or development program.
- Experiment or coordinate the activities of others in experimenting with new applications of tools, equipment, and welding processes, to determine capacities, limitations, and characteristic reaction of metals or processes, used or usable in manufacture of aircraft and missile parts. Investigate and develop new methods of joining material.
- Acts as Solver on welding problem for foreman.
- Issues Technical Reports and Process Specifications for welding. Record, compile, and analyze test results obtained from welding research, and from these results derive conclusions subject to review by immediate supervisor as to the best method of resolving assigned problems.
- Develop detailed planning that leads to repeatable, sustainable weld quality. The resulting process should be compatible with single-piece flow line production.
- Reviews and analyzes results of welding programs conducted by other personnel. Recommends use of welding research processes and procedures which investigation has proven will provide the best solution to assembly of company products.
- Submit to supervisor, periodic reports indicating programs and plans for future activities and showing degree of accomplishment on work currently in process.
- Develop or identify, then recommend improvements in engineering design methods, engineering, and equipment when those changes will simplify production operations, reduce costs, or improve product quality. Observe the success of recommended changes and maintain records to verify its superiority.
- Coordinate the activities of other employees who may be assigned to assist. Follow up with other departments which are participating in welding research program and report progress so that action necessary to complete the operations satisfactorily and on schedule may be taken.
- Keep abreast of improvements in welding equipment, processes, and techniques.
- Coordinates certification of welders.
- Performs other duties as needed.

BACKGROUND AND EXPERIENCE:

Must have a thorough knowledge of aerospace welding engineering principles and practices as they relate to the manufacturing of precision metal products. Extensive knowledge and experience in aerospace precision welding of company and customer products in compliance with rigid customer and engineering specifications and requirements using GTAW process. Strong understanding of metallic arc, gas brazing, gas welding and cutting processes.

The ideal candidate will have the following education, work history, knowledge and skills.
Education: High school augmented by two years college training in metallurgy, weld design, strength of material and five years progressively responsible experience in welding and developing of welding processes in the matter of precision metal products; or an equivalent combination of education and experience.

Skills & Experience:

- Thorough knowledge of welding equipment and welding processes in precision metal production. Ability to apply advanced technical knowledge of welding processes. Ability to develop and interpret specification and quality standards. Ability to interpret functional and qualitative procedures.
- Must certify the following groups: I, II, III, IV & VI.
- Extreme conscientiousness. Ability to work under pressure. Ability to work with minimal guidance on site and at suppliers. Aerospace production experience is required.
- Experience with a high mix, low volume manufacturing environment is preferred.
- Mix of experience managing and transforming culture in large assembly operations.

- Career progression with progressively more responsible roles within production operations.
- Lean / Continuous Improvement trained and certified.
- Experience with and oriented toward metrics in business analysis.
- Excellent problem-solving skills and ability to work within a team.
- Excellent written and verbal skills are mandatory.

General Requirements:

Access to our facility (and, therefore, employment) is restricted under the International Traffic in Arms Regulations (ITAR) and/or Export Administration Regulations (EAR) to U.S. Citizens, lawful permanent residents of the United States and properly licensed foreign persons. Applicants receiving a conditional offer of employment will be required to provide information to determine whether they are subject to these regulations and, if so, to assess their country of chargeability for export control purposes)

Personality and Character:

The ideal candidate will have most of the following traits:

- Highly motivated self-starter
- Open and honest communicator
- Desire to achieve through engaging an entire team
- Respectful
- Leads by example
- Team player
- Accountable and willing to hold others accountable in an objective, straight-forward manner
- Willing to confront and resolve conflicts
- Logical, organized and detail oriented with the ability to see big picture
- Mentor style that promotes success of the team

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Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. EOE/M/F/D/V/SO stands for Equal Opportunity Employer: Minority, Female, Disabled, Veteran, Sexual Orientation