

Experimental Machinist: Sr. Experimental Machinist / Sr. Lead Experimental Machinist

Plans the layout, fabrication and testing of mechanical devices; sets up and operates any type of precision machine tool to make original parts, tools, mechanisms and devices for experimental purposes. Solves problems relative to work-holding arrangement, unusual materials, machine settings, tools, product specifications and fabrication methods for production process. Normally performs precision work to exacting tolerances and dimensions for research engineers in a developmental laboratory condition. Some machines may be numerically controlled. May monitor and verify quality in accordance with statistical process or other control procedures. Typically requires completion of a formal apprenticeship and many years of precision all-around machining experience on unusual, original and intricate layout, machining and assembly tasks.

Knowledge

Extensive knowledge in specialized functions. A wide and comprehensive acquaintance with, and understanding of, both general and specific aspects of the job and their practical application to complex problems and situations ordinarily encountered.

Supervision Received

Minimal supervision. Work may be done without established procedures.

Consequence of Errors

Errors are very difficult to detect and would normally require significant expenditures to resolve.

Contacts

Contacts are frequent with individuals representing outside organizations, and/or individuals of significant importance within the company. Contacts involve planning and preparation of the communications, require skill, tact, persuasion and/or negotiation to accomplish the objectives of the communication.

Work Products (Examples may include but are not limited to)

Sets objectives and standards of performance for all employees in his/her department. Lead production personnel to meet production schedules in a high quality and efficient manner. Assists, monitors and meets production budgets. Insures proper documentation is in use on production floor. Meets all company, safety and environmental and good housekeeping guidelines. Participates in the training and development of hourly employees. Initiation and follow-up of all personnel activities to include performance reviews and counseling. Interface with manufacturing engineering, engineering, design engineering, quality control, production control, personnel, stores and other support groups to solve production problems. Lead all aspects of Preventative Maintenance for all assets. Control scrap and excess material to acceptable levels. Ensure all personnel comply with security regulations as set forth by the FSO and Security Officer. Specify and Identify essential equipment. Other duties as specified by authorized company representatives. Maintains schedules and delivery promises according to the master schedule.

Minimum Education and Experience

Minimum of 3 years lead experience in a manufacturing setting. Understanding of company processes and procedures is required. Must be experienced in the manufacture of advanced aerospace pre-impregnated fiber structures and advanced blueprint reading. Strong written and verbal communication skills necessary. Adaptive interpersonal skills necessary to deal with diverse personalities and situations. Advanced experience in use of personal computers is required. 3 and 5 axis set-up, CAD CAM experience and machining experience required. This position may require DoD eligibility.