

# Composite Technician Assembler: Sr. Composite Tech Assembler/ Sr. Lead Composite Tech Assembler

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Bonds a variety of dissimilar materials (composite, metal, or laminate) assemblies, parts, skins, components, equipment or structures into semi-finished or finished products. Lays out articles and cuts parts or materials to size. Applies liquid or solid bonding agents. Operates autoclave, hydraulic presses and ovens to complete bonding cycle. Controls conditions of heat, pressure, and timing by setting and operating various controls according to the specifications for the materials and the bonding agent being used. Sands, burrs, smoothes over areas and applies sealing resins to cut or exposed edges. Monitors and verifies quality of finished product. Completes repairs on composite, metal or laminate bonded products using inspection and rework instructions. Verifies quality of finished product.

## **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)**

Lead the effort for the assembly and fit of pre-fabricated metallic and composite parts to form assemblies working at benches or directly on a structure assembly fixture. Read and interpret aircraft assembly instruction plans, diagrams, drawings and other documentation in order to perform and direct others on the assembly function with accuracy with little supervision. Assemble, fit, shim and install pre-fabricated parts and subassemblies such as aircraft spars, rib, skins and fittings. Utilize hand and power tools such as drills, in order to assemble and fabricate components with fasteners and bonding agents. Instruct, train and oversee quality workmanship of lower level technicians. Utilize measuring equipment in order to meet specifications for the installation process. Maintain a clean and organized work area. Work with quality department personnel in order to keep production assemblies in proper sign off levels and within inspection procedure and/or specifications. Troubleshoot ideas for improvement and intervene when necessary on issues or concerns with process, schedule and quality needs. Assist supervisor as needed, as well as additional responsibilities as required.

## **Minimum Education and Experience**

High school graduate or equivalent required. 5+ years of experience with complex aircraft assembly required. Trade School certification, such as Airframe & Power Plant (A&P) certification is required. Shop floor math skills, experience with following engineering orders, and the ability to read drawings or blueprints required. Extensive experience using various hand and power tools required. Experience in a leadership role with equivalent level of responsibilities required. Must be dependable and punctual.