

Composite Technician Assembler: Composite Tech Assembler III

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, smooths 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

Considerable knowledge of the job. Complete acquaintance with, and understanding of, the general and detailed aspects of the job and their practical applications to problems and situations ordinarily encountered.

Supervision Received

Limited supervision. No instructions needed on routine work and general instructions given on new lines of work or special assignments.

Consequence of Errors

Errors may be difficult to detect and would normally result in loss of customer business, material or equipment to resolve.

Contacts

Contacts are frequent with individuals representing other departments and/or representing outside organizations. Contacts involve obtaining or providing information or data on matters of moderate importance to the function of the department or which may be of sensitive nature.

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

Assemble and fit 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 the assembly function with accuracy and 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.

Minimum Education and Experience

High school graduate or equivalent required. Minimum 4 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. Minimum 4 years of experience using various hand and power tools required. Must be dependable and punctual.