

# Composite Technician Assembler: Composite Tech Assembler I

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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, 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**

Little or no knowledge of the job. Moderate understanding of general job aspects and some understanding of the detailed aspects of the job.

## **Supervision Received**

Close supervision involving detailed instructions and constant checking on work performance.

## **Consequence of Errors**

Errors can be easily and quickly detected within the immediate work unit and would result only in minor disruption or expense to correct.

## **Contacts**

Contacts are primarily within immediate work unit. Contacts involve obtaining or providing information requiring little explanation or interpretation.

## **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. 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. 1-2 years of experience with complex aircraft assembly required. Trade School certification, such as Airframe & Power Plant (A&P) certification is desired. Shop floor math skills, experience with following engineering orders and the ability to read drawings or blueprints required. 1-2 years of experience using various hand and power tools required. Must be dependable and punctual.