

Composite Technician: Composite Tech I

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, 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 and smoothes over areas, apply 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.

Consequences 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)

Use of Global Shop System software. Work from written work orders, verbal instructions or blue prints, keeping all signoffs and inspection buyoffs current. Maintain a clean work area per daily, monthly and yearly cleanup schedules. Proper use of release agents and tool preparation.

Minimum Education and Experience

Be able to identify different process materials, prepregs and adhesives. Assist with cutting and kitting materials. Complete lay-ups using measuring instruments per shop orders, blue prints or laser ply projector. Vacuum bag basic shapes and sizes. Assist in loading autoclaves and/or ovens with the use of forklifts, cranes or handling carts. De-molding, labeling and handling of cured parts.