

Structural Assembler

Performs a variety of operations to assemble and make major assembly structures such as fuselage panels and bulkheads, and structural subassemblies such as rudders, flaps and stabilizers. Aligns parts on jigs using templates, molds and fixtures. Performs such minor part-fitting operations as filing, sawing, de-burring, crimping, trimming, framing, riveting, drilling and reaming. Measures parts with micrometers and calipers to verify dimensions. May modify incomplete and complete assemblies to incorporate changes to structure. May monitor and verify quality in accordance with statistical process or other control procedures.

Level 1		Level 2		Level 3		Level 4	
Structural Assembler I		Structural Assembler II		Structural Assembler III		Sr. Structural Assembler	
Knowledge	Basic understanding of general job aspects and some understanding of the detailed aspects of the job. Maintain a clean work area per daily, monthly and yearly cleanup schedules. Be able to identify different process materials, pre-pregs and adhesives.	Full knowledge of the job. Substantial acquaintance with, and understanding of, general aspects of the job with a broad understanding of the detailed aspects of the job.		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. Will assist with training of new employees and lower level technicians.		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	Close supervision involving detailed instructions and constant checking on work performance.	General supervision and instructions given for routine work and detailed instructions given for new activities or special assignments.		Limited supervision. No instructions needed on routine work and general instructions given on new lines of work or special assignments.		Minimal supervision. Work may be done without established procedures.	
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. Maintain material logs on time sensitive materials.	Errors may be detected and corrected but may cause moderate loss of time or customer/user dissatisfaction.		Errors may be difficult to detect and would normally result in loss of customer business, material or equipment to resolve.		Errors are very difficult to detect and would normally require significant expenditures to resolve.	
Contacts	Contacts are primarily within immediate work unit. Contacts involve obtaining or providing information requiring little explanation or interpretation.	Contacts are typically with individuals within own department and occasionally with contacts outside own organization. Contacts involve obtaining or providing information or data requiring some explanation or interpretation.		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.		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.	

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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, 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.	Assemble and fit pre-fabricated metallic and composite parts to form assemblies, working at benches or directly on a structure assembly fixture. 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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 other 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, 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. 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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.	High school graduate or equivalent required. 2-4 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. Min. 2 years of experience using various hand and power tools required. Must be dependable and punctual.	High school graduate or equivalent required. Min. 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. Min. 4 years of experience using various hand and power tools required. Must be dependable and punctual.	High school graduate or equivalent required. Min. 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. Min. 4 years of experience using various hand and power tools required. Must be dependable and punctual.	High school graduate or equivalent required. 5 years plus 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.	High school graduate or equivalent required. 5 years plus 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.	High school graduate or equivalent required. 5 years plus 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.