

## Tools Design Engineer

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Company: Honda Aircraft Company

Location: United States

Category: other-general

**General Summary:**The Tooling Design Engineer develops and designs production tooling to support aircraft manufacturing in compliance to engineering requirements and the manufacturing process. The Tooling Design Engineer will be responsible to coordinate, facilitate and document design reviews both internally and with external suppliers working interdepartmentally as needed. The perspective candidate should be an experienced professional with knowledge of aircraft tooling, aircraft manufacturing processes and ASME Y14.5 Geometric Dimensioning and Tolerancing. **Duties and Responsibilities:**Reviews tooling requests, engineering models and drawings for development of new tooling designs or tooling modifications.Develops concepts for tooling in support of new engineering development.Follows existing procedures utilizing the Honda Aircraft Company tooling manual to develop 3D models and 2D drawings to design production tooling to support program requirements.Develops and writes tooling usage guidelines for tooling functionality.Coordinates and facilitates both internal and external tooling design reviews to ensure tooling design compliance to Engineering and Manufacturing requirements.Recommends improvements to existing tooling design processes, procedures and philosophies.**Education, Work Experience, Certification and/or Licensure:**Associates degree in technical field, Bachelors' degree preferred.Minimum 5 years of experience with aircraft tool design. (Automotive experience also considered)Proficient in Catia with minimum 10,000 hrs.ASME GDTP (Geometric Dimensioning and Tolerancing Professional) Certificate preferred.Machining/Fabrication experience and/or CNC programing experience a plus.**Knowledge, Skills and Abilities:**Broad knowledge and experience in tooling for

commercial or general aviation aircraft. Experience with composite tooling, assembly tooling, automation, tool fabrication practices, machining practices, and metrology concepts (laser tracker/CMM). Experience with master tooling, datum scheme development, and major structural assembly tool development. Proficient in GD&T. Strong oral and written communication skills. Working knowledge of Microsoft Office Suites (Word, Excel, Power Point and Lotus Notes). Excellent analytical and problem solving skills and attention to detail. Strong interpersonal skills. Ability to multitask. Physical Requirements: Incumbents may be routinely exposed to equipment operational noise heat-cold-dust, and/or aircraft equipment, parts, or fuel odors. Incumbents may be required to stand, sit, squat, walk, bend, move, reach, or stretch for prolonged time periods with no restrictions, as required by job duties. Work in a safe and professional manner while adhering to all regulatory requirements (FAA, OSHA, DOT, EPA, State, and Federal regulations, etc.). Read, hear, speak, and see with no restrictions, as required by job duties. Comprehend and adhere to management directions and/or safety instructions with no restrictions. Effectively communicate in Business English language. Pull, push, carry, lift, or move items up to 10 lbs. throughout the work shift without assistance, as required by job duties. Pull, push, carry, lift or move materials/people/items/equipment weighing up to 2550 lbs or more during the work shift, with the use of Company provided "reach assistance technology" or "movement assist technology" (fork-lifts, pallet jacks, pulleys, dolly's, robotics reach equipment, people movers etc.), as required by job duties. The above statements are intended to describe the general nature and scope of work being performed by people assigned to this classification. They are not intended to be construed as an exhaustive list of all duties, skills, and responsibilities required of personnel so classified. Duties, responsibilities, and activities may change at any time with or without notice. This document does not constitute a contract between the incumbent and Honda Aircraft Company. (FLSA: ) 01/07/13

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