

Tool Designer

ROBERT SMITH

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Objective

A dedicated engineering professional with extensive experience working with manufacturing and quality departments. Experienced with R-R Phase I&II Projects with the responsibilities in the area of Gears, Turbine Spacer, Prop Shaft, Carrier and Torque meters shafts. Worked on part process routings and manufacturing process drawings, this resulted in cutting out three months of the original quoted rollout time for these 27 gear component parts.

Skills

Supply Chain, Tool Room, Customer Service, Inventory Management, Tooling, Tool Design, Cutting Tools.

Work Experience

Tool Designer

ABC Corporation - June 2011 - July 2015

- Support production, Boeing Research and Technology, vendors and manufacturers in all aspects of supply chain management, inventory management, hole preparation, composite ply-cutting, and trim and drill applications in both automation and manual drill processes with a focus on customer happiness and first pass quality at the best value.
- Responsible for design and implementation aspects of tool assemblies and parts.
- Continuously met or exceeded expectations per company Performance Management Review process which is based on departmental, organizational and enterprise wide Business Goals and Objectives.
- Nominated and elected as a voting board member of the Boeing Enterprise Common Cutting Tool Change Board and Project Team.
- Created new or revise an existing (NAS) standard and converting specifications and tolerances to the NAS standard in effort to strengthen and ensure a healthy supply chain.
- Developed, designed and published Standard Tool (ST) Drawings through creation or revisions for fabrication and procurement of new cutting tools required in composite, fiberglass and metal alloy material stack-ups.
- Included the standardization of cutting tools used by production mechanics through the development and use of just in time shipside kits built per the statement of work.

Tool Designer

Delta Corporation - 2006 - 2011

- North Charleston, South Carolina (BSC) Tool Designer / Production Support / Cutting Tool Subject Matter Expert for Boeing Commercial Aircraft (BCA) at the Boeing South Carolina manufacturing facility.
- Assignments include identification of possible Boeing Heritage cutting tools items to convert to an industry standard or in this case a National Aerospace Standard (NAS).
- While efforts are still ongoing, accomplishments during my tenure as a member of the board include the creation and publishing of new NAS standards for Carbide High Performance Drills and Carbide Reamers, revisions to 6 other NAS standards for various other carbide, High Speed Steel and Cobalt cutting tools have resulted in over 30,000 Boeing Heritage items

having been converted to an industry standard for an estimated enterprise wide initial cost avoidance of well over \$230 Million and a 60% savings in future cutting tool costs due to negotiations of suppliers contracts when compared to the past decade.

- Familiar with autodesk inventor.
- Worked within groups to find and discuss finished assemblies.
- Worked with the manufacturing engineers to bring about changes that promote a more efficient process that extends tool life and a better quality of .
- Tool & Part Design for S-97 helicopter program Skills Used CATIA.

Education

Diploma - 1994(Midlands Technical College - Columbia, SC)