

SAM SMITH

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MECHANICAL TOOLING DESIGNER WITH 20+ YEARS OF INDUSTRY EXPERIENCE

PROFESSIONAL PROFILE

A highly skilled, innovative, and conscientious manufacturing professional offering diverse mechanical design and drafting experience, a formal education, and a demonstrated track record of leading project teams to success. Accustomed to working under fast-paced, high-volume, time-sensitive conditions. Ability to manage multiple responsibilities simultaneously, efficiently resolve issues, and consistently meet and exceed established goals. Team-builder and player demonstrating a high-level of accuracy and thoroughness. Recognized for capacity to work autonomously as well as collaboratively and interact effectively with all levels of support staff and management. Quick learner with the capacity to easily grasp, apply, and present new ideas and preliminary concepts to clients, accurately interpret and employ customer input, and rapidly design, produce, and manufacture items on time and under budget. Strong qualifications in problem-solving, personnel development, and performance improvement. Superior interpersonal, investigative, analytical, and troubleshooting skills. Excellent written, oral, and technical aptitude.

CORE COMPETENCIES

- *Concept Proposal/Development*
- *Staffing & Scheduling*
- *Parts/Components Assembly*
- *Policy/Curriculum Development*
- *Equipment Operation/Repair*
- *Mechanical Design/Drafting*
- *Project Planning/Management*
- *Procedural/Technical Training*
- *Quality Assurance/Control*
- *Client Relations/Support*
- *Performance Testing/Assessment*
- *Production Support/Fabrication*
- *Presentation/Technical Drawings*
- *LEAN Manufacturing/Six Sigma*
- *Budgeting/Equipment Acquisition*

EDUCATION

Associate of Arts Degree in Mechanical Drafting
Green River Community College, Auburn, Washington

Coursework Completed Toward an Associate of Science Degree in Engineering
Bellevue Community College, Bellevue, Washington

PROFESSIONAL DEVELOPMENT/ADVANCED TRAINING

- ESD Training in Electronics and Magnetics - ABC Company
- Classes in Engineering and SPC, CADKey, Prime Design, Ideas and Desktop Applications - ABC Company
- Ideas Training ▪ Pro-E ▪ Six Sigma for Product Excellence ▪ Unigraphics

TECHNICAL ADDENDUM/BREADTH OF KNOWLEDGE

- *NX Unigraphics*
- *Eco Processes*
- *CADKey*
- *SDRC IDEAS*
- *Prime Design CAD*
- *ASME Y14.5*
- *MS Office Suite*
- *MS Project*

PROFESSIONAL CHRONOLOGY

ABC Company <i>Tooling Designer Contractor (Aug. 2009 - Present)</i> <i>Tooling Engineer (Apr. 1988 - Apr. 2007)</i>	Any Town, USA	Aug. 2009 - Present/Apr. 1988 - Apr. 2007
ABC Company <i>Tooling Designer</i>	Any Town, USA	Apr. 2007 - Feb. 2009
ABC Company <i>Tooling Designer</i>	Any Town, USA	Apr. 1986 - Apr. 1988

KEY QUALIFICATIONS/HIGHLIGHTS OF PROFESSIONAL EXPERIENCE

- Developed company Standards and Operating Procedures and created and delivered training to all company employees.
- Created engineering specifications, fabrication and assembly drawings, and Bill of Materials (BOMs).
- Provided tooling support for production of new projects and prototype activities and design support for factory production; detailed parts for production and final assemblies.
- Involved with Six Sigma projects to improve production flow.

KEY QUALIFICATIONS/HIGHLIGHTS OF PROFESSIONAL EXPERIENCE (CONTINUED)

- Design experience:
 - Automated assembly for production of automatic and manual hubs for automobiles.
 - Inspection gages for acceptance of parts and assemblies.
 - Robotic work center to verify minimum and maximum dimensions of parts.
 - Test fixtures for electronic components and cabling.
 - Tooling for reducing setup for broaches, NC lathes, mills, automated board stuffing production line, and tooling and fixtures used in manufacturing of surface mount technology.
 - Layouts for hoists, winches, and magnetic ticklers for laser beams.
 - Hardware of a Robotics Work Cell that applied solder mask to circuit boards and transferred them to drying racks.
- Provided design support for laser development.
- Experienced in the layout, detailing, and design of metal machined parts and sheet metal components; background in the use of sheet metal equipment including shears, brakes, and punches.
- Worked layout of wire rope hoists, rotation units, and travel units for cranes as well as layouts for structural members including gantries and booms.
- Assessed and tested design functionality.
- Skilled in the use of mills and lathes for the fabrication of tooling.
- Generated work orders, preliminary and final tooling designs, and fabricated tooling.
- Specified and coordinated the acquisition of capital equipment for production use.
- Worked in the Fabrication Shop producing parts when necessitated to help meet production schedule.

References Furnished Upon Request