

# SAM SMITH

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## SENIOR MECHANICAL ENGINEER WITH 20+ YEARS OF INDUSTRY EXPERIENCE

Product Innovation & Design/ Strategic & Tactical Planning/Process & Performance Improvement

### EXECUTIVE SUMMARY

An innovative and solutions-focused Engineer and Designer offering over two decades of widespread industry training and practical mechanical experience in a variety of senior-level capacities within the manufacturing arena. Forward-thinking leader with tactical foresight and verifiable success improving bottom-line performance. Proven ability to direct high-performance project teams, develop constructive relationships with a diverse group of cross-functional business partners, and influence key internal/external stakeholders. "Hands-on" leader, articulate communicator, and effective trainer able to successfully prioritize workflow, field and resolve issues, manage multiple and concurrent projects and responsibilities, and meet and exceed challenging goals and objectives. Superior investigative, quantitative, analytical, and troubleshooting skills. Adept in the design of high-volume, low cost injection molded parts. Proficient in sheet metal, casting, machine, and valve design, o-ring seals, and all phases of machine shop practices including electromechanical packaging in both plastic and metal materials. Proficiency to use CAD to bring new ideas to market.

### CORE COMPETENCIES

- *Strategic Business Planning*
- *Design/Modification/Fabrication*
- *Quality Assurance/Control*
- *Safety/Regulatory Compliance*
- *Research & Statistical Analysis*
- *Vendor Sourcing/Negotiation*
- *Program/Project Management*
- *Production & Installation*
- *Preventative Maintenance*
- *Troubleshooting & Repair*
- *Product Reliability/Testing*
- *Cost Reduction & Containment*
- *Product Innovation/Development*
- *Personnel Management/Training*
- *Performance Assessment Testing*
- *Budget/Resource Administration*
- *Group Collaboration/Facilitation*
- *Proposal Generation & Delivery*

### EDUCATION/SPECIALIZED TRAINING

#### Associate of Applied Science in Mechanical Engineering Technology

Farmingdale State University of New York (S.U.N.Y.), Farmingdale, New York

- AutoCAD ▪ CADKEY 3D Aided Design Systems ▪ Pro Engineer Basic and Advanced Training

### SOFTWARE EXPERTISE

- Solidworks 2010 ▪ Pro Engineer Wildfire 5.0 ▪ AutoCAD Inventor 2010
- Microsoft Office Suite ▪ Microsoft Windows 7 ▪ PowerPoint

### TECHNICAL PROFICIENCY

All Aspects of Plastic Molding Including:

Blow Molding, Injection Molding and Vacuum Forming of PP, PE, HDPE, PVC, and ABS

### PROFESSIONAL EXPERIENCE

**ABC Company**

**Any Town, USA**

**Nov. 2002 - Present**

*Senior Mechanical Engineer*

Redesigned and improved an existing pond pump line for the market leader in magnetic-drive technology and filtration.

- Managed an 8,000 square foot, off-site research and development facility; established a state-of-the-art Test Lab with direct supervisory responsibility over five (5) employees.
- Appointed Company Liaison for Underwriter Laboratories (UL) and ETL Intertek; filed for all UL and ETL product listings.
- Utilized Pro Engineer software to design an entirely new line of Proline products including:
  - A state-of-the-art pressurized pond filtration system, recognized as the preferred filtration system in the market today, featuring a ultra-violet sterilization system, mechanical agitation, and backwash features.
  - Five (5) waterfall boxes of various sizes.
  - Three (3) Pondless Waterfall Systems.
  - Introduced the 5000 Skimmer; voted/selected as the best skimmer on the market.

**PROFESSIONAL EXPERIENCE (CONTINUED)****ABC Company****Any Town, USA****Jun. 1998 - Nov. 2002***Senior Mechanical Engineer*

A leading provider of event monitoring and wireless access solutions for homes and businesses.

- Designed P.C.B. packaging for cellular desk phones, fixed wireless terminals, and cellular alarm backup systems.
- Designed and introduced an alarm back-up system, Telguard II.

**ABC Company****Any Town, USA****Sept. 1996 - Jun. 1998***Mechanical Designer*

- Designed packaging of medium-power RF Transmitters, Receivers, Keypads, and Repeaters for alarm systems.
- Created packaging for Control Channel Cellular Radios and Central Station Monitoring support equipment.

**PATENTS**

- Drop Arm Recliner
- Locking Geriatric Table
- Rowing Machine
- Swivel Lock Wheeled Caster

**COMMUNITY INVOLVEMENT**

- College Summer Baseball Coach, Boys of Summer
- Volunteer Coach, Youth Baseball and Basketball

*References Furnished Upon Request*