

PROFILE

- Highly trained, detail-oriented mechanical engineer with decades of experience in the field.
- Significant supervisory experience; manages employees in order to ensure deadlines are met and all projects are completed according to the highest standards of quality.
- Proven record of accomplishments in machine design, production tooling and fixtures as well as manufacturing process development and improvement.
- Introduces strategies for improving efficiency, decreasing costs and streamlining workflow, while at the same time ensuring that a safe work environment is maintained.
- Thrives in collaborative work environments; supports communication across departments and between all members of the production team.

PROFESSIONAL EXPERIENCE

Plastics, Boston, MA

1996 – Present

Manufacturer of machine parts from high-performance plastics for demanding technical applications.

Senior Manufacturing Engineer

- Oversees the following manufacturing processes: stamping and forming parts from fluoropolymer tape; hot compression molding shapes made from polyimide material; ram extrusion of rods, tubing and profiles made from fluoropolymer resin.
- **Improved ergonomics and operator safety** by implementing innovative material handling equipment.
- Introduced numerous measures which reduced costs, improved efficiency and improved operator safety. Changes implemented in the Etching Department, for example, resulted in **\$65,000 in annual savings**.
- Works closely with Customer Support in order to resolve customer issues regarding product performance, materials and other matters.
- Developed manufacturing process for hot compression molding of shapes made from polyimide material. Designed original tooling, prepared tool strength analysis and material selection for high pressure process and oversaw implementation of the design.
- Developed technical specification for automatic molding presses. Collaborated with the equipment manufacturer and oversaw installation of four molding presses.
- Specified equipment for polyimide powder densification process and designed densification tooling.
- Improved productivity in the Tape and Stamping Department by introducing a new slitter and implementing secondary operations in line with stamping process. Successfully completed several cost saving project using six sigma methodology.

- Designed and managed the installation of an etch solution handling system, which streamlined workflow and achieved substantial material savings.
- Wrote work instructions and revised company's tech documentation.
- Oversaw transferring production process and equipment for two product lines from Chicago to Bristol location.

Engineering, Boston, MA

1990 – 1996

Engineering Manager / Chief Design Engineer

- Oversaw the Engineering Department, designed machines, supervised manufacturing process in the company machine shop, assembly process, machine start-ups and acceptance trials. Also oversaw hiring, training and performance evaluation for the entire department.
- Supervised machining shop and assembly operation.
- Designed web handling machines including winders, slitters and laminators, which **generated sales totaling \$1.1 million.**
- Designed a line of five models of programmable textile dyeing machines. Supervised fabrication, assembly and installation in customer's plants. **Sales of this equipment totaled over \$3.2 million.**
- Designed automatic slitters, winders, and web handling equipment.
- Collaborated with components manufacturers, materials suppliers and vendors.
- Designed fixtures, tools, and equipment to be used in the production process.
- Oversaw manufacturing process; implemented strategies for increasing productivity and streamlining operations.

ADDITIONAL SKILLS AND QUALIFICATIONS

- AutoCAD, Solid Works.

EDUCATION

B.S. Mechanical Engineering, Boston College, Boston, MA.