

DENNIS J. FILIPOWSKI
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SUMMARY

A Mechanical Engineer with professional experience in the production and design environment. Brings a depth and breadth of practical experience in manufacturing, testing and product development. The emphasis is always on the common sense application of Statistical Analysis (SPC), and Continuous Process Improvement (TQC) techniques. Provides effective leadership, insight, and solutions to a variety of production and development environments.

SELECTED SKILLS

- Tooling and fixture design
- Part Design in all disciplines
- 3D CAD
- MS Office suite
- Rapid Proto processes
- Statistical Process Control
- Test and measurement techniques

PROFESSIONAL ACCOMPLISHMENTS

Production Support

Provided effective production support for high and low volume product lines. Provided day to day support and effective problem solving in a strong team environment. Organize plan and execute effective experiments to asses and quantify production problems. Develop measurement techniques and equipment to setup and monitor production processes.

Tool and Fixture Design

Effective use of CAD design tools to produce tool and fixture designs to support production processes. Developed system of rivet fixtures reducing setup and change over times from 15 Min to less than 5 min. Studied and developed revised balance tooling and setup procedures that improved process capabilities, eliminating production rejects. Effectively uses statistical techniques to quantify and qualify production tooling. Qualified a PCB enclosure with a unique assembly operation. The first time an electrical performance parameter was quantified in the mechanical assembly process. Process produced parts without reject for the life of the tool.

Application of Statistical Techniques

Consistently demonstrated the power of using statistical analysis in practical problem solving. Use of statistics eliminated routine inspection and reduced scrap; by using basic statistical techniques, X-Bar (average) Sigma (Standard deviation), Pareto and Normal Probability studies to demonstrate process capability and provide insight into a variety of problems. Utilized the Pareto process in technical and non-technical applications to identify the critical few, eliminating wasted energy on the trivial many.

Engineering Leadership

Provided leadership to production teams. Championed two successful inventory reduction projects. Both reduced lead-time by 80% and inventory levels by a similar amount. Supplier responsiveness and flexibility were improved with reduced scrap. Utilized Pareto and other statistical techniques improving team and project effectiveness. Participated in the initial ISO certification team. Led ISO internal audits. Developed process's to reduce critical lead-time for Proto Type parts. Used electronic data transfer, internal process changes and supplier development to cut lead times by 60% or more.

RELEVANT EXPERIENCE

RDR Design Newman Lake WA 2007-Present

General Dynamics (Itronix) Spokane, WA 2005-2007

AGILENT TECHNOLOGIES/HEWLETT PACKARD, Spokane, WA 1984-2003

General Instruments Post Falls ID 1983-1984

RA Hanson Co, Spokane WA 1982-1983

Gifford Hill Machine Tools, Spokane WA 1981-1982

Simpson Industries, Coldwater MI 1977-1980

General Motors Corp, Milford MI 1973-1977

EDUCATION

Bachelor of Science in Mechanical Engineering,
University of Nebraska, Lincoln NE.

PROFESSIONAL DEVELOPMENT

- Solidworks Training
- Monsczka Commodity Strategy Development
- Hewlett Packard Process of Management (POM)
- Statistical Process Control
- Seven Habits of Highly Effective People
- Team Work & Personal Effectiveness Seminar