

David G. Billig

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SUMMARY

Senior manufacturing engineer with over 15 years experience in electroplating with special skills in **designing, directing, implementing, and project management**. A **competent, persevering, and resourceful professional**, who **meets deadlines**, effectively performs multiple tasks simultaneously, and works well in teams as well as independently.

- ISO 9000
- PLC Programming
- Six Sigma
- MP2
- SAP
- MS Office Professional
- MS Project Management
- 5-S+1 (safety)

NOTABLE ACHIEVEMENTS

- **Saved over \$500,000 systematically working through the logistics** of shutting down 12 plating lines using components and systems directly from them, remanufactured, and refurbished this equipment for installation for 4 new plating lines.
- **Designed and implemented a \$1,000,000 large scale electroplating line that paid for itself in 3 months.**
- **Formulated and implemented a plating line process equipment calibration plan saving \$90,000 per year.**
- **Designed and implemented a \$500,000 large scale electroplating line under budget, before due date**, debugged and ran production in one day and ran continuously 24/7 ever since.

EXPERIENCE

TYCO ELECTRONICS/AMP INC, Greensboro, NC

1981 – 2009

<i>Senior Manufacturing Engineer</i>	Greensboro, NC	(2002 – 2009)
<i>Manufacturing Project Engineer</i>	Winston Salem, NC	(1998 – 2002)
<i>Methods Engineer III</i>	Winston Salem, NC	(1990 – 1998)
<i>Methods Engineer II</i>	Winston Salem, NC	(1986 – 1990)

- Formulated and implemented a plan to keep downtime to a minimum by keeping plating line HMI and PLC software current and archived for quick retrieval.
- Relied on extensive experience and judgment to quickly pinpoint plating process failures shortening plating line downtime.

- Designed 2 precious metal plating lines using AutoCAD Electrical. Utilized conceptual information for process parameters, time restraints, money, and develop process functionality. Coordinated resources for installing, fabricating, wiring. Debugged as required for correct functionality.
- Directed and controlled all phases of plant electrical engineering procedures for large-scale electro-plating manufacturing processes and methods of production.
- Redesigned plating line process stations or modified existing equipment for manufacturing new product.
- Authored process equipment calibration and validation documents for ISO9000 certification process.
- Audited and archived plating line process equipment calibration data.
- Achieved company objectives of consistent design requirements using Tyco, NFPA, ISO, NEC, IEC, and other industry standards.
- Researched, specified, and procured plating industry equipment through vendor contacts for suitable process equipment when manufacturing new product.
- Controlled process equipment documentation: proofed, distributed, and archived.
- Handled warranty issues with vendors as they arised for aging equipment.
- Supported tool crib part inventory control for plant equipment.
- Investigated and resolved equipment failures.
- Solved complex obsolete parts problems, located, fabricated, modified existing, or found substitutions.
- Controlled plant's PCs, PLCs, and printers IT costs.
- Assisted closing a plant: administered disposing or transferring of capital assets.
- Supplemented corporate IT hardware and software support to maximize plant's productivity.

Development Engineer II

Winston Salem, NC

(1985 – 1986)

Development Engineer I

Winston Salem, NC

(1983 – 1985)

Junior Development Engineer

Harrisburg, PA

(1981 – 1983)

EDUCATION & PROFESSIONAL CERTIFICATIONS

B.S., Electrical Engineering Technology, Gannon University, Erie, Pennsylvania

Project Management Essentials & PMP Exam Prep, Guilford Technical Community College, Jamestown, NC

GE 90-30 and 90-70 PLC Programming /Trouble Shooting

Six Sigma Green Belt Training

AutoCAD Electrical

Value-Added Manufacturing (VAM)

ASSOCIATIONS

Institute of Electrical and Electronics Engineers (IEEE)