JAMES G. BOHLMAN

P.O. Box 501, Tucson, AZ 85702-0501
James_Bohlman@msn.com
(520) 623-9605

Summary of Qualifications

Over 20 years of experience in process engineering and project management in manufacturing.

Goal-oriented, motivated professional able to identify, obtain, and direct resources in a highly dynamic and demanding environment.

Excellent communication, technical and organizational skills brought to bear across functional groups on multiple, simultaneous tasks.

Natural curiosity and imagination in collaborative, team-oriented problem-solving.

Objective

Project or Process Engineering position with start-up or small- to medium-sized company organizing and executing business development projects and commercialization strategies; integrating and implementing improvements, systems and processes in manufacturing.

Experience

Project Leader / Systems and Process Implementation

- Led effort in the development, implementation and qualification of two novel resistor processes. Resulted in reduction of scrap, customer returns, and cycle time. Total savings >$2M / yr.
- Streamlined specifications and implemented process consolidations reducing cycle time by 60% and material usage by 93%.
- Implemented internal equipment to measure glass films P content with comparable accuracy to outside suppliers eliminating use of external analysis lab by 76% with the savings of >$38K/yr.
- Evaluated and certified materials vendors.
- Automated material purchase process; assuring continuous supply.
- Developed qualification system for sensitive resistor material evaluation.
- Specified an automatic electronic resistor measurement kit reducing measurement cycle time by ~75%.
- Implemented particle reduction methods improving yield 6% saving $3M/yr.
- Used Design of Experiments (DOE) methods to improve manufacturing process
- Specified and qualified equipment upgrades
- Qualified standalone etch equipment for DARPA feasibility study.

Process Engineer / Equipment and process sustaining and improvement

- Managed thin film and ion implant processes and equipment.
- Implemented and managed procedures for improvement of yield, quality, cycle time and cost and safety.
- Managed electronic data collection and system for process qualification data for eliminating paper in the clean room environment.
- Implemented Statistical Process Control (SPC) methodology.
- Developed and implemented process troubleshooting procedures. Encouraged ownership of process by production and maintenance personnel.
- Supervised, trained and certified manufacturing personnel.

Education

Masters of Engineering, Systems Engineering

- University of Arizona. Degree received: May, 2008 GPA: 3.813

Masters in Business Administration, Global Management

- University of Phoenix. Degree received: January, 2007 GPA:3.93

Bachelors of Science, Metallurgy and Mining Engineering

- University of Wisconsin. Degree received: December, 1983 GPA:3.28

Employment History

Sr. Project Leader/Thin Film Process Engineer August 1997 – March 2005
Burr Brown - Texas Instruments Inc., Tucson, AZ

Sr. Thin Film / Implant Process / Project Engineer July 1992 – July 1997
Analog Devices Inc., Wilmington, MA

Thin Film Process / Sr. Project Engineer September 1988 – July1992
DMOS4, Texas Instruments Inc., Dallas, TX

Thin Film and Etch Development Process Engineer June 1984 – September 1988
SPDC, Texas Instruments Inc., Dallas, TX

Computer Skills

Microsoft Office Suite Products • CAM systems (PROMIS, Workstream), Arena simulation, Adobe (Acrobat, Photoshop, InDesign, Illustrator, Dreamweaver), Apple iMovie, iDVD; Sparx Systems Enterprise Architect.