

H. LES DAWES

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PROFILE

Degreed professional with over 20 years of Circuit assembly/manufacturing experience. Skills included: Quality Implementation (systems/programs), S.M.T. Engineering, Six Sigma Certified Black Belt/Green Belt Trainer, Lean Manufacturing expert.

Experience

Manufacturing/Quality Engineer O.C. Tanners, Jeweler Salt Lake City Sept. 2007- Sept.2008

Consulting contract for Lean Manufacturing and Six Sigma process improvements. Complete redesign of ADC Rewards and Redemption Center to promote efficiency and minimize expenses.

Accomplishments

- Reduced floor space 40%
 - Reduced Material handling 50%
 - Reduced costs 65% Reason for Separation: contract ended because of economy.
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Manufacturing & Quality Engineer Control4 Corporation Draper, Utah Sept. 2004 to Aug. 2007

New State of the Art Home Automation Products using new wireless Zigbee Communication Networks. Given 23 products to develop all build and testing procedures and equipment. Products from Lighting and Products to Home Controllers, took new designs to offload production to contract assembly to offshore Celetronix in Mumbai India, and Chennai India, Controllers went to SanmMina, of Shenzhen China. Trained operators to build and test of products. Travel to all sites once per quarter inspecting appearance and Quality Yields. Reason for separation: Laid off when new management brought in their own staff.

Director of Quality Systems CirTran Corporation West Valley City, Utah May, 2004 to Sept. 2004

CirTran is a contract Manufacturer of Printed Circuit Assembly, Cable and Harnesses, and Complete Box Builds of electronic systems. Director of Quality Systems Six Sigma Black Belt and Lean Manufacturing Professional. Writing all control plans FMEA's and HAZ-OPS for facility.

Lead Trainer for all personnel in Six Sigma tools and application in operations

Accomplishments

Engineered and developed all quality systems. Wrote Quality Manual, including Standard Operating Procedures, to meet ISO:9001-2000 Certification.

Developed all Total Quality Leadership and ISO Training procedures.

Establishing all preventative and predictive maintenance, calibration programs.

Set-up all aspects of the Quality Systems from Receiving Inspection, In-process Inspection through Final Inspection and delivery to the customer. Reasons for separation: Offered an unsolicited job from a friend for a new start-up company with great new products.

Challenge was too great to ignore, accepted new position with Control4

Quality Manager (IMSI) International Machine Service International Sept 2003 to June 2004

Corporation provided all sheet metal parts to Fram and Honeywell for automotive applications.

Experienced in Automotive PPAP procedures control plans, and Statistical Analysis application.

Accomplishments

Wrote Quality Manual and Quality Procedures necessary for ISO:9001-2000 and TS19649 Certification.

Finished certifications: Contract ended.

Quality / Process Engineer Honeywell, Electronic Materials Roy, Utah Jan.1999 to Sept. 2003 Manufacturer of ultra pure titanium targets for integrated circuit manufacturing. Developed statistical quality techniques for the process. Six Sigma Green Belt training: Back-Belt Lead for 5 Green Belt teams concurrently. Conducted training of personnel for ISO, Six Sigma, Lean techniques, and Total Quality. Responsible for product quality, yield, scrap, on-time deliveries, Design for Six Sigma certified

Accomplishments

Lead 8 greenbelt projects combined annual saving of over \$2,000,000.00.

Developed all quality documents and lead company through ISO:9001-2000 Certification.

Created and managed the preventative maintenance program / implementing predictive maintenance.

Responsible for all Quality Lab requirements.

Team Leader for startup

1) New Wastewater Treatment plant

2) Analytical Laboratory, retaining management responsibilities.

Reason for separation: Part of a RIF. Entire quality department was laid off. Due to Loss of largest Account.(Intel a 4 year contract.)

Quality /Manufacturing Engineer Evans and Sutherland Salt Lake City, Utah

Printed circuit card assembly of a manufacturer of computer generated air craft simulators

Responsible for circuit board quality, parts quality, process quality, and product quality.

Managed on time deliveries and cycle times.Programmed and responsible for all manufacturing equipment. Conducted all statistical process and quality training for department.

Reason for separation: Company bought by SCI, moved to southern CA. Position was eliminated.

Manufacturing and Quality Engineer Litton Guidance and Control Systems, Salt Lake City

Printed circuit card assembly in a military quality supplier of guidance control systems of missiles.

Responsible for all surface mount equipment in process.Wrote all process assembly instructions and machine programming. Program management of several missile contracts, i.e. Tomahawk, and Tow.

Reason for separation: Lost contracts to Honeywell. Laid off.

Senior Quality / Manufacturing Engineer Iomega Corporation, Roy, Utah

Just in Time manufacturer of removable mass storage devices.

SMT Engineer: setup and maintain process and equipment. Designed machine profiles, training of operators and maintenance personnel, create process documentation for production, design and layout all tooling required, create all machine and material specifications, specify operating supplies, create product structures, and manage engineering changes. Quality Engineer, approve and track quality of all material used in Printed circuit assembly. Work with vendors on quality issues and price reductions. Concurrent Engineer for new product development. Presented technical papers on SPC and cleaning of printed circuit assemblies at trade shows.

Accomplishments:

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- PCA cycle time improvement 8 hours to less than 30 minutes,
 - Set up time from 1 hour to less than 5 minutes,
 - Yield improvements from 65% to 99.99%,
 - Elimination of Freon for the board cleaning process to a process that has no environmental impact.
 - Installed and setup three new surface mount lines
 - Reduced total defects from 3200 ppm >5 ppm.
 - Solder defects to 2000 ppm >2 PPM. Averaged over \$150k/ per year in cost savings for the last six years.
 - Reason for separation: Sub Contracted manufacturing to Malaysia. Laid off.

Quality & Manufacturing Engineer Westronix Inc., Midvale, Utah Turnkey manufacture of electronic and medical assemblies.SMT Engineer, setup and maintain process and equipment. Designed machine profiles and programs.Training of operators and maintenance personnel, assembly labor bidding Create process documentation for production, design and layout all tooling required.

Created all machine and material specifications, specify operating supplies, create product structures, and managed all customer engineering changesSolder training, operator training, Implementation of S.P.C.

Accomplishments:

Reduction of solder defects from 500 PPM to 120 PPM.

Implementation of SPC and JIT technology –

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- Results; in six months was able to reduce labor costs 45% and
 - Increase on time shipments 60% also seen major increase in quality and scrap reduction. Reason for separation: Sold to Sanmina, position eliminated.

Manager of Operations and Maintenance Univac Corporation, Salt Lake City & Ephraim, Utah

High volume printed circuit assembly and cable division. Including manufacturing equipment and facilities and all automated production processes.

Provided support for all maintenance related programs, training, preventative maintenance, ordering of spare parts and tools.

Production management over all process programs, operator training, quality circles, statistical process control, implementation of just in time, and ordering production supplies.

Accomplishments:

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- Increase of on time deliveries 40%,
 - Increase of in-circuit test yields 30%
 - Increase of machine utilization 28%
 - Decrease of maintenance costs 45%
 - Decrease of touch up labor 65%
 - Increase of mean time between failures 35%
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- Decrease of machine down time 28%
- Decrease of solder defects from 3500 PPM to 140 PPM
- Received sixteen approved cost reduction awards and presented papers on SPC improvements.

Reason for separation: Manufacturing moved to Japan. Position eliminated

EDUCATION / TRAINING / CERTIFICATIONS:

B.S. Electrical Engineering Technology - United States Air (Air Force) Technical school

Six Sigma Black Belt / Green belt Trainer

Weber State College (Math, Statistics, APIC's,)

Salt Lake Communitycollege (, Auto Cad, Solid Works, Web Page Design)

Utah Air National Guard (Technology, Management Correspondence classes 6 years)

Online at Honeywell & Iomega (Engineering, Design, Trouble Shooting)

ISO Auditor Certified

AWARD Shingo Prize: (Iomega 1995) The Shingo Prize for Excellence in Manufacturing is named for Japanese industrial engineer Shigeo Shingo who distinguished himself as one of the world's leading experts in improving manufacturing processes. Dr. Shingo has been described as an "engineering genius" who helped create and writes about many aspects of the revolutionary manufacturing practices which comprise the renowned Toyota Production System. This Award was established in 1988 to promote awareness of Lean manufacturing concepts, and to recognize the companies in the United States, Canada, and Mexico that achieve world-class manufacturing status. The Shingo Prize philosophy is that world-class business performance may be achieved through focused improvements in core manufacturing and business processes. "Business Week referred to the program as the "Nobel prize of manufacturing" because it establishes a standard for world class excellence"
