

SUMMARY OF QUALIFICATIONS

Technically sophisticated and business-orientated Sr. Packaging Engineer with a progressing career reflecting strong leadership and innovative solutions to Package Development. Maintaining focus on achieving bottom-line results while implementing safe, investigated new package concepts under discipline of engineering, research, testing, standards and qualification. Superior record of delivering simultaneous large-scale, business-critical projects on time and under budget.

CORE COMPETENCIES

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| <ul style="list-style-type: none"> • Team Leading and Mentoring • Quality Assurance Standards • Project Planning and Execution • Regulatory Compliance Deliverables • Qualification Plans and Reports | <ul style="list-style-type: none"> • Customer and Supplier Relations • Testing Standards Development • Equipment Design / Qualifications • 3D Computer Modeling & Assembly • Customer User Manuals | <ul style="list-style-type: none"> • Continuous Improvement Focused • FMEA (Process / Design / Field Usage) • DOE Design / Optimization • Packaging Equipment; Sealers • Plastic and Metal Mfg. Process Expert |
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EXPERIENCE

A LEADING PACKAGING COMPANY, Minneapolis Area 2005 - 2008

Senior Packaging Engineer

Product Engineer with accountability for all new and sustaining packaging specific to ultra clean liner-based packaging used in semiconductor and flat panel high purity chemical applications. Direct engineering responsibility of \$40MM business product line. Specific customers included Intel, LG, Samsung and Sharp. International travel included Japan, South Korea and Taiwan.

Project Management Duties

- Developed team resources, project plans, and implementation strategy by following in-depth product launch phase gate requirements.
- Facilitated ideation session for new products and design detail generation.
- Completed 3D solid models, assemblies, manufacturing prints, tolerance analysis, and BOM's of all new product and package designs.
- Developed qualification test plans, qualification reports, first article reports, manufacturing work instructions, customer version user manuals and field service manuals.
- Completed technical reports and ideation reports.
- Provided guidance and direction for all new product prototyping.
- Managed business division's intellectual property portfolio/database.
- Acted as a technical mentor for many other engineers, technicians and machinists.
- Attained market requirement with thorough qualitative and quantitative surveys (VOC) used to develop engineering requirement details.
- Applied Six Sigma tools including the following: field usage FMEA's, manufacturing FMEA's, IPO diagrams, Design of Experiments (screening and optimization), Flow Charts, CNX/Fish bone diagrams, Control and Run Charts, Cpk analysis, etc.

Successes

- Implemented new model/machine shop including staff hiring, tools and database.
- Completed new product launch of Ergo Now connector.
- Completed new product launch of MaxMT "Smart and Active" package connector that eliminates approx. \$30MM of chemistry waste in flat panel display industry.

BOSTON SCIENTIFIC

2004 - 2005

Senior Packaging Engineer

Project Manager with overall accountability for execution of package design conversion and implementation. Packaging design conversion consisting of 18 Product POBA and stent families totaling \$2+ Billion annual product sales. Labor cost savings of \$400k annually with packaging consolidation affiliated project. Process time and material cost savings of \$80k annually. Products consisted of Class III Combination devices.

Project Management Duties

- Facilitated core team meetings with functional department deliverables.
- Lead structured project planning sessions to develop schedules with critical path items.
- Developed sound solution finding working relationship with multiple suppliers to optimize pricing, timing and quality components with process DOEs, validation and FA's.
- Qualified equipment modifications, design validations (protocols and reports), process validations, DOEs, FMEAs, functional POBA device and pharmaceutical testing and First Article Inspections.
- Completed EtO sterilization testing and reports.
- Implement component drawing changes which included design capability matrixes based on FDA mandated risk index levels for Class 3 devices.
- Organized PDM change request for report approvals released for FDA, TUV, IC and Japan regulatory submissions.
- Updated to packaging specs, product specs, marketing specs, FMEAs, BOMs, assembly prints and routing numbers.
- Performed in-depth investigation of multilayer films. (Co-extruded / laminated) and Tyvek (Coated and uncoated).

GENERAL MILLS INC.

2003 - 2004

Packaging Engineer

Managed all structural packaging related engineering projects for multitude of product categories with delivered updates to Business and Operations senior management teams. Responsible for Packaging R&D in \$400+MM business. Operations team reports, package platform changes, cost savings models included capital cost, throughput, material savings, IRR's, sourcing, scheduling, etc. Team involvement on delivering business results relative to consumer insights (quality issues, enhancements) COGS, delivered margins, marketing margins, volumes, distribution, price/value, product superiority, etc.

Project Management Duties:

- Provided in-depth studies on Injection molded component material analysis, FEA analysis, creep, cycle times, cost (capital / part) quality levels, distribution models and in-mold labeling.
- Researched thermoform and film components which included: co-ex, laminated, mono and co-polymer,
- Investigated form-fill-sealing, structural integrity, cycle times and cost efficiencies.
- Developed sound packaging solutions with SBS, CCNB, Shrink Sleeves, Spiral wound Cans, Corrugated, Blow molding, Pallet optimization, distribution models, blow molding and thermoform simulation and optimization, printing technology, Rotogravure, Flexo, reverse printing, ink systems, easy open features (perforation, laser and mechanical scoring) re-closing systems (zippers, pressure sensitive adhesives).

GENERAL MILLS INC.

1998 - 2003

Packaging Structural Designer / Package Prototype Manager

Supported all business division Packaging Engineers with design and development of structural packaging: Betty Crocker, Big G, Intl. Food Service, Snacks, Yoplait, Lloyds and Pillsbury.

Project Management Duties:

- Interpreted all design and engineering requirements from packaging engineers and marketing.
- Scheduled projects within all quality, time-line, and budget constraints.
- Developed prototypes using ideation sketches, engineering drawings, and 3D solid and surface files. Presented concepts via 3D Computer model rendering and sketches.
- Implemented production-ready CAD models used to create requested prototypes, lightweight FEA analysis and structural testing.
- Directed all vendor accounts including model shops, prototype development companies, and specialized consultants, including design companies and product manufactures.
- Managed consumer test studies with new package and product samples. Supported team in consumer observation and interpretations to responses related to package use and experience.
- Assisted in new product concept development as a participant in ideation sessions, and adding concept execution solutions to the ideation group.
- Maintained all Intellectual Property correspondence with I.P. group (CDA/JDA).

ROLLERBLADE INC.**1995 - 1998****Design and Prototype Engineer**

Developed leading consumer In-line skate designs to the market in the shortest possible product development cycle time.

Project Management Duties:

- Proved functionality of design details and fabricated design models used for engineered prototypes. Models were used in concept development, mechanical testing, photo samples and international sales samples.
- Completed Engineering and cosmetic models for design team used in line review and color studies.
- Coordinated and supervised work requests with vendors to satisfy time sensitive projects of R&D team. Included price quotes with quality and cost management.

EDUCATION

Bemidji State University	BS Degree-Major: Mech. Engineering Emphasis: Rapid Prototyping GPA 3.5 Support Emphasis: 3D Computer Modeling	1995
Oxford College (UK)	International Transfer Program	1994

CONTINUING EDUCATION

Six Sigma Black Belt Cert.	Training, Test and 1 project completion	2006
Six Sigma Green Belt Cert.	Business and Scientific Experiment	2003
Dale Carnegie Training	High Impact Presentation	2002
Dale Carnegie Training	Pathways of Success / Communication	2001
Prototek Engineering	Solidworks Advance. Part / Assembly certification	2001
Prototek Engineering	Solidworks part design certification	2000
School of Packaging I	Package Engineer certification	2000
School of Packaging II	Package manufacturing certification	1999
Rand Technologies	Pro-Engineer Advanced Part /Assembly Design	1998
Rand Technologies	Pro-Engineer Basic Training	1998
Univ. of Minnesota	Technical Writing and Communication	1997

ACHIEVEMENTS

Six Sigma	Black Belt (Passed Exam and Completed 1 st project)	2007
U. S. P. T. O.	(6) U.S. Utility Patents, (4) World Utility Patent Apps filed	00-08
Six Sigma	Green Belt Certification- Statistical Analysis/ Project Management	2005
Cost Savings	Delivered (2) cost savings projects totaling \$1.3MM in first year with new position	2004
Packaging Show GMI	"Best of Show" Design and Prototype of 350 entrees	2003
Packaging Show GMI	"Future of Packaging" Design Category Winner	2003
Horizon Awards	Public Recognition for "Smart" (Multimedia) custom designed awards. Michael Jordon / ESPN	2000
Time Life "Best of Design"	X-Ten Rollerblade Skate Design (Team Design)	1999

SOFTWARE

Software Proficiencies	PDM Systems, SPC Excel, Mini-tab, DOE Pro, Solid Works 2008, Pro-E, PowerPoint, Photoshop, MS Project
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ORGANIZATIONS

I.O.P.P.	Institute of Packaging Professionals	2005-2008
A.H.A.	Adult Hockey Association	2007-2008
Children's Hospital	Volunteer as Nurses Aid	2002-2003
Toastmasters	Public Speaking Organization	1998-2004