

Carolyn Roberts

Industrial Engineer at Playpower

Experience

Industrial Engineer at Playpower

August 2010 - Present (5 years)

Production Control Mgr & Special Projects at Yorktowne Cabinetry

October 2007 - January 2009 (1 year 4 months)

- Implemented Work Instructions, My Quality Checks, and audits in Quality Assurance System for entire manufacturing operation, including training and change system, resulting in standardized methods and higher quality
- Established a scrap analysis and recovery system for production floor
- Created daily production position points using SAP and Excel
- Optimized, adjusted, and maintained inventory levels using SAP's MRP system and Kanbans
- Managed Production Control Department which included issuing and adjusting daily schedules
- Oversaw Vendor Managed Inventories (VMI) and Stockroom. Was plant liaison with vendors and Purchasing.

Sr. Manufacturing Engr. at Yorktowne Cabinetry

May 2005 - October 2007 (2 years 6 months)

- Leader and member of various cross department teams, including Capital Expenditure Projects, New Product Introduction, and Job Certification
- Created and implemented Job Certification Program to ensure a well trained and diverse workforce. Each position was certified on 3 jobs
- Created Product, Process, and Component Manuals giving a visual for each product and each machine adjustment
- Managed Engineering Department which included 2 Engineers and a Specialist. Engineering Department wrote Capital Expenditure Requests, created and updated engineering data in SAP including BOMS, Value Stream Routings, and Queries. Also, introduced new product to floor, improved methods, approved product changes, and facilitated plant layout.

Sr. Industrial Engineer at Elkay Manufacturing

December 1999 - March 2005 (5 years 4 months)

- Developed and implemented dedicated watercooler paced assembly line, resulting in 23% reduction in assembly time
- Implemented set-up reduction in Sheetmetal that reduced average press setup time from 53 min to 18 min
- Manager and member of at least six simultaneous project teams with membership of 8 to 20
- Cost reduction team projects totaled annual savings of \$1.25 million
- Analyzed methods, costs, processes, and procedures using Lean Manufacturing techniques
- Established VSM. Managed and assisted in Kaizen and 5S events. Utilized Kanban sizing analysis
- Created operation methods sheets (OMS) using VMS software
- Balanced lines and set standards for both assembly and feeder departments
- Set-up and implemented reduction procedures for assembly lines
- Created capacity analysis programs including MSDs

(Machinery System Design) using Excel and PeopleSoft •Used PeopleSoft for engineering data (standards, routings, and writing queries) and trained other users on the software

Skills & Expertise

Lean Manufacturing

Kaizen

5S

Value Stream Mapping

SAP

Kanban

Quality Assurance

Engineering

Product Development

Manufacturing Operations

Analysis

Assembly Lines

Leadership

Continuous Improvement

Education

University of Missouri-Columbia

BSIE, Industrial Engineering, 1973 - 1975

Activities and Societies: Society of Women Engineers, IIIE

University of Missouri-Columbia

Bachelor of Science (BS), Industrial Engineering, 1973 - 1975

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[Contact Carolyn on LinkedIn](#)