

JEFFREY P. ROUTZAHN

5315 Redfield Way
Cumming, GA 30028

jeffroutzahn@gmail.com

(770) 375-6031

<http://www.linkedin.com/in/jeffroutzahn>

SUMMARY OF QUALIFICATIONS

Results oriented **manufacturing professional** with extensive experience in all aspects of finishing including chemical pretreatment, painting and clear coating processes. Proven ability to drive improvement in plant operations through strategic planning, coaching, teamwork, and an effective use of **Lean Six Sigma** tools. Uses knowledge and experience to lead positive change and to generate significant improvements. Demonstrates expertise in process engineering, manufacturing engineering, quality engineering, and operations management. Skilled in developing and implementing programs and process enhancements designed to reduce operating costs and increase efficiency. Thrives in a constantly changing work environment. **Certified Six Sigma Greenbelt.**

PROFESSIONAL EXPERIENCE

POWER PARTNERS, INC., Athens, GA

2010 - Present

Sr. Corporate Manufacturing Engineer

Corporate Engineer over finishing operations in multi-plant operation. Part of team responsible for turning an unreliable line into a first class operation. We have taken a line with a FPY of less than 25% to over 90% in five months and sustained. I am responsible for the process control of all chemical pretreatment and painting operations in a transformer manufacturing facility. I have led process control improvements within the Two Coat Electrocoat Process. We process steel and stainless steel transformers with E-Coat and powder paints on a system capable of coating 1500 transformers per day

HAYES LEMMERZ INTERNATIONAL, INC., Gainesville, GA

1998 – 2009

Senior Manufacturing Engineer

Responsible for all chemical pretreatment and painting operations in aluminum wheel manufacturing facility that was Ford Q1, ISO14001, ISO/TS16949, and AIAG-Heat Treat certified. Coordinated all process improvements within the finishing department, including equipment upgrade and/or replacement. Processed cast aluminum wheels with powder primers, powder paints, liquid water base metallic coatings, and powder clear coats with paint systems having the capability of coating 12,000 wheels per day.

- Reduced paint scrap by 25%, a yearly savings of \$526,000 leading a MBF team using Six Sigma practices.
- Reduced machining scrap by 67% in Huntington facility, a reduction of \$249,000 from the previous year, as Leader of the Machining Scrap MBF team.
- Reduced paint scrap and rework by 31.5% in Gainesville facility resulting in a savings of \$125,580 as Leader of the Paint Scrap MBF team.
- Reduced paint inventory from average of \$117,000 to average of \$46,000 in the Huntington plant as Leader of Kaizen team project; and reduced average inventory from \$112,000 to \$66,000 in 2008 as Leader of the same team in Gainesville.
- Oversaw the environmental aspects for this plant, including wastewater operation, air emissions, water, hazardous waste and non-hazardous waste streams.
- Developed the painting process for all aluminum wheels painted in Gainesville and Huntington.
- Responsible for the painted appearance of the finished wheels.
- Responsible for paint kitchen and analytical testing for paint and pretreatment
- Established all process parameters to successfully paint aluminum wheels.
- Led the Gainesville Vendor Paint Improvement Program requiring quarterly supplier audits and supplier meetings, a carryover from the Huntington facility.
- Conducted internal audits as part of Hayes internal ISO/TS16949 audit team that traveled between North American plants to ensure ISO/TS 16949 certification standards were met.
- Worked effectively with Control Plans, Process FMEA's, Flow Diagrams, APQP activities, SPC, and PPAP for product approval before shipment to the customer.
- Supervised department of 21 hourly associates and 6 paint and pretreatment technicians from December 2003 to September 2004 and was responsible for all production activities on day shift and technical activities on all shifts in a 3 shift operation.

STEELWORKS - MEG DIVISION, Cambridge City, IN

1997 – 1998

Manager - Paint Operations

Managed a 3 shift liquid/powder paint operation overseeing 60 hourly associates and 3 shift supervisors responsible for quality, efficiency, safety, scheduling and engineering for the department. Direct report to the Plant Manager.

- Acted as an integral part of the team that installed a new powder paint system to convert coatings to powder providing a competitive edge in the marketplace, while becoming environmentally friendly.
- Set up all process parameters to successfully paint steel store shelving.

GREENE MANUFACTURING COMPANY, Connersville, IN

1995 – 1997

Manager - E-Coat Operations

Assumed control of new cathodic electrocoat venture. Responsible for labor, scheduling, processes, quality, and paint for a large electrocoat paint line that serviced the automotive and general metals markets with a work force of 35 hourly and 4 salaried employees. The Plant worked toward QS9000 (automotive) and ISO 9000 (appliance) certification. Direct report to the Plant Manager.

- Provided consultation to determine desire for take over of the paint line from the Frigidaire facility when it closed at the end of 1994. Hired as permanent staff after 3months on the project.
- Restarted system back into operation after a previous shut down, which required working with equipment manufacturers, contractors, and paint suppliers to bring the operation back on-line.
- Engineered electrocoat operations with 30,000 ft² per hour capacity, with total responsibility for the operation, which had grown to about 40% of capacity by August 1997.
- Set-up processes, procedures, engineering specifications, process control plan, PFMEA, process flowchart for electrocoat line designed for automotive, appliance, and general metal accounts on steel and aluminum substrates for certification to Ford, GM, Chrysler, Subaru-Isuzu and Pioneer engineering specifications.

FRIGIDAIRE COMPANY / DESIGN AND MANUFACTURING, Connersville, IN

1978 – 1994

Supervisor - Paint

1994

Responsible for paint operations that painted parts for dishwashers and laundry products employing 30 hourly employees. Direct report to the Plant Manager.

- Oversaw the finishing operation directed to paint 400,000 square feet of metal per week, while using 1,000 gallons of paint per week.
- Managed labor, scheduling, processes, quality, chemicals and paints.

Senior Process Engineer - Paint

1990 - 1994

Project Process Engineer for design and installation of cathodic electrocoat paint system for clothes washer and dryers and dishwasher manufacturing. Employed Autocad 10 to arrange plant layout and update Ransburg electrostatic paint system to high solids system. Automated system controls using Allen Bradley PLC-5 computer hardware and Controlview software. Programming contracted out for PLC.

- Implemented engineering and process specifications, oversaw metal preparation, silk-screening and vinyl fluidized bed powder systems to meet a plant specification.
- Monitored chemical and paint costs, specified and ordered process chemicals to ensure the system was running optimally and with maximum cost efficiency.

Statistician, Paint Technician, Chemical Engineer

1978 - 1988

YORK PRODUCTS, INC., Richmond, IN

1988 – 1990

Division Finishing Engineer

EDUCATION

BS, Business Management, California Coast University, Santa Ana, CA

AA, Management, Indiana University, Richmond, IN

BUSINESS AFFILIATIONS

Director, Connersville Utilities, Connersville, IN

Engineer Voting Machines, Fayette County Election Board, Connersville, IN

ADDENDUM**SPECIAL TRAINING**

- Six Sigma Greenbelt, Hayes Lemmerz International, Northville, MI
- TS 16949 Certified Internal Auditor, Hayes Lemmerz International, Northville, MI
- Statistical Process Control, Ivy Tech, Richmond, IN
- Supervision, Ivy Tech, Richmond, IN
- Hazard Communications, Resources Consultants, Inc., Nashville, TN
- Community Right-to-Know Seminar, Indianapolis Center for Advanced Research, Indianapolis, IN
- Production Painting, Society of Manufacturing Engineers, Chicago, IL
- Frigidaire Environmental Seminars, White Consolidated Industries, Dublin, OH