

## LARRY STRAUSS

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### **Rubber Processing Skills, Rubber Technology & Quality Control**

•Mold Processing by Injection, Trimless/Flashless, Injection Cold Runner/Transfer, Cold Transfer & Compression • Compounding for Application & Process • Mold Bonding, Insert Design & Bonding Cement Prep • Automated Laser Trimming of Flash • Mixing & Extruding • Chemical Compatibilities, SAE D2000 ASTM Line Call-Out Specifications • Physical & Rheological Testing • Product Design for Fuels, Oils, Potable Water and Medical Applications • Automotive Body, Glass, Sunroof and Convertible Sealing Weatherstrip Design • NVH Chassis Damping Design • Acquisitions/Mergers • Cost Estimating • Plant Profit & Loss Accounting • Dr. Deming Student & Disciple 1984-Current • Kaizen, Six-Sigma, Toyota Production Systems, Quality Control Management, Conducting and Analyzing Control Chart Statistics, 8-D and Root Cause Analysis, DOE, APQP, PPAP, FMEA's, DFM and DFA.

### **Professional Work**

**Rubber Processing Management, LLC** – Rochester Hills, Michigan. 5/9/2018 – current. [www.rubberman.com](http://www.rubberman.com)

**AirBoss Flexible Products** – Auburn Hills, Michigan; Process Engineering Manager. 6/2017 to 5/8/2018. Injection mold bonded automotive NVH chassis isolation and damping components and assembled mass dampeners. Managed prototype and production engineering in three plants with staff of six reduced to one. Responsible for scrap reduction, capacity analysis, process improvements, equipment procurement, APQP, and compounds. Knowledge of high temperature compounds/bonding for chassis requirements.

**Hutchinson Precision Sealing Systems** – Auburn Hills, Michigan; Sales Engineer. Oil Seal, Precision Molded & O-Ring Divisions. 11/2013 – 6/2017. \$30+ MM sales quote funnel. **HPSS** products included automotive and ag bearing seals, bonded piston seals, radial lip shaft seals and magnetic encoders – rubber to metal. Closed new business \$5MM with GM Powertrain and opened opportunities with Ford Materials Group and Tier Ones.

**Rubber Processing Management, LLC** – Centerville, Ohio; President. Engineering & Sales. [www.rubberman.com](http://www.rubberman.com). 1993 to 2013. Sold double mold-bonded & swaged automotive steering dampers, zero emissions fuel sender seals, processed NHTSA polyacrylate bonded (SS) lumbar and NR bonded knee sliders, EPDM and polychloroprene pipe gaskets, sold & molded NBR automotive wax thermostat plungers, sold & molded peroxide-cured polybutadiene Navy F-14 wing sweep snubbers and millable polyurethane missile launcher bearing seals, compounded and injection molded non-marring hockey pucks for Women's Olympic Hockey, sold, co-designed and molded silicone medical diskette interface membrane for blood screening analyzer, sold & molded conductive silicone military seals, developed squawk-less stabilizer bar bushings. Consultant to SAIC BTR in Shanghai, China, for start-up molding operation of automotive NVH and precision molded products. Conducted 2-day symposium for Hong Kong Automotive Industry Group titled, "Developing & Manufacturing Elastomeric Components in Automotive Supply." Represented Elasco Corporation in Garden Grove, CA, & Uremet Corp of Santa Ana, CA, for castable polyurethane automotive products & amusement park load wheels. Consulted on rubber injection molding, cold runner injection, cold transfer molding, compound development, laser trimming of flash and rubber product manufacturing acquisitions. Consultant for 1997 Toyota Paseo convertible weatherstrip sealing system to American Sunroof Company and Toyoda Gosei - Waterville. Represented Arrow Pattern in Chicago, Illinois, to Tier 1 automotive weatherstrip suppliers for corner detail molds, design and mold trials. Sales engineer for mold releases & weatherstrip low COF coatings.

**Sheller-Globe, British Tire & Rubber (BTR) North American Schlegel Operations - now Henniges Automotive** – Detroit, Michigan; Senior Product Engineer/Program Manager. 1988 – 1993. Design responsible for weatherstrip programs for NUMMI Geo Prism, Ford Taurus/Sable and Tempo/Topaz, Nissan VX-54, Saturn S-Series and Cadillac K Car. Glass runs, dynamic body seals and interior trim. Managed CAD designers using DFM, DFA, DFMEA. Worked with OEM customers on seal system black/gray box designs using customer sheet metal background and launched new products at vehicle assembly plants. Worked with plant manufacturing and engineering in Keokuk, Iowa, Montpelier, IN, Frederick, OK, Marysville & Rockford, Tennessee. Senior Product Engineer and Program Manager on first generation Nissan/Ford VX-54 minivan program, releasing vehicle body dynamic, glass run seals and interior trim welts for 1993 production.

**Taylor Molding** – Fairport Harbor, Ohio; Operations Manager. 1987 – 1988. 26-employee/3 shift operation six days per week. Cold transfer molding of silicone wire connector weatherpack seals (30,000 per day) for GM Packard Electric. Helped facilitated sale to Dowty-Silcofab.

**IER Industries** – Twinsburg, Ohio; Sales Applications Engineer. 1986 – 1987. Implemented cold transfer molding of fluorosilicone umbrella check valves for Ford fuel ORVR resulting in 40% cost reduction using virgin material vs. reclaim to reduce scrap and improve umbrella performance. Subsequent products using cold transfer molding were bonded FKM needle and solenoid valves.

**Vernay Laboratories** – Yellow Springs, Ohio; Product Engineer. 1984 – 1986. Prototype through production. Responsible for product drawings, molds, trim dies and process traveler route sheets. Spent considerable time on plant floor working with material prep for compression, hot/cold transfer molding and strip cure, release agents, mold cleaning, compound compatibility and rheology for molding and mold bonding. Studied quality and productivity management directly under Dr. Deming and took Rubber Correspondence Courses I, II and Science and Technology of Rubber Course. Worked with statistical process analysis, control charts and Pareto charts. Products were umbrella valves, duck-bills, ground balls, flow control valves, bonded needle/solenoid valves, diaphragms, die-cut and laminated seals from strip-cure process. Materials worked with were FKM, FVMQ, VMQ, EPR's, NBR's and ECO. Actively involved with startup, transfer of technology and US sales for Japanese joint venture, Vernay Fuji.

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## Education & CET

1982 – Associate Mechanical Engineering, Kent State University  
1976-1979 – Chemistry, University of Idaho  
1993 – Molding of Rubber & Design of Rubber Molds, University of Wisconsin at Milwaukee  
1990 – QFD, Ford Motor Company  
1986 – Kepner-Tregoe Decision Making  
1985 – SAE Fundamentals of Statistical Process Control  
1985 – Deming Productivity & Competitive Position

## Affiliations

American Chemical Society, Rubber Division  
Detroit Rubber Group, Three-time Chairman, Chairman Emeritus, Scholarship Chair  
SAE, Detroit Society

Larry Strauss  
9/13/2018

