



Vita/Russ Rasnic, P.E.



Director – Mechanical/Forensic Division

Mr. Russ Rasnic provides leadership and management for Ryan Engineering's Mechanical and Forensic Division and brings a variety of strengths to the RE team. He is a licensed Professional Engineer with 20 plus years of professional experience as a mechanical, plant and manufacturing engineer in industrial process and machine design, failure analysis, engineering and manufacturing management.

Expertise

<ul style="list-style-type: none"> ○ ATVs/Motorcycles ○ Automotive Equipment/Engines ○ Castings/Extrusions ○ Construction ○ Electromechanical Circuit Design ○ Guarding ○ HVAC/Cryogenics ○ Hydraulics/Pneumatics ○ Industrial Machinery and Equipment ○ Infrared Systems 	<ul style="list-style-type: none"> ○ Lift Trucks ○ Machine Design ○ Materials ○ Material Handling/Loading Dock Equipment ○ Manufacturing Processes/Management ○ Natural Gas Pipelines ○ OSHA ○ Powdered Metal and MIM ○ Safety Engineering ○ Welding and Flame Cutting
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Education

M.S. Mechanical Engineering, <i>University of Arkansas, Fayetteville, AR</i>	1982
B.S. Mechanical Engineering, <i>University of Arkansas, Fayetteville, AR</i>	1981

Professional Experience

Director – Mechanical/Forensic Division, *Ryan Engineering, Inc.* 2002 - Present
 Mechanical and forensic engineering, industrial consulting and machine design. International machine guarding consultant.

President/CEO/Chairman, *Halo Spark Plug, Inc.* 1999 - 2002
 Took patent concept to viable product to manufacturing and sales over \$200K in less than two years. Duties encompassed all aspects of product design, production startup, plant management, sales, marketing and accounting. Developed international sales and contracts; secured exemption of securities for private sale. Appeared on a segment of the national television series *Auto Trends*.

Operations Manager, (6 years), *ROL-LIFT Corporation* 1988 - 1999
 P & L responsibility for materials handling equipment manufacturer, including all aspects of manufacturing plant operations.

Engineering and Product Development Manager, (2 years) Duties encompassed all manufacturing support, special product research and development engineering, as well as technical services, warranty, field service and quality assurance.

Engineering and Technical Services Manager – (2 ½ years) Engineering and customer service responsibilities, including parts sales, field service, warranty and technical assistance.

Senior Manufacturing Engineer, *Chamberlain Group* 1987 - 1988
 Manufacturing/plant engineer for aluminum extrusion and storm door manufacturer.

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Project Engineer, *Texas Instruments, Inc.*

1982 - 1987

Design, project engineering and leadership responsibilities for infrared systems and detectors manufactured for US Armed Forces. Worked extensively with exotic materials and alloys.

Graduate Teaching Assistant, *University of Arkansas, Fayetteville, AR*

1982

Professional Certifications & Memberships

Professional Engineering Licenses:

Alabama, Arizona, Arkansas, California, New York, Tennessee, Texas

Professional Memberships:

- American Society of Mechanical Engineers
- American Society of Metals
- Human Factors and Ergonomics Society
- Arkansas Academy of Mechanical Engineering
- National Safety Council
- Society of Automotive Engineers

Professional Development – Partial List

- PLC Programming
- Safety Engineering and Hazard Evaluation
- Spark Plug Technology
- Statistical Process Control
- Traffic Accident Reconstruction
- Ladder Tiplock Analysis
- ADA Compliance
- Certified Forklift Operator/Trainer
- Combustion and Emissions for Engineers
- Machine Guarding/Warnings
- Excellence in Manufacturing
- Hazardous Materials Transportation
- Wind Power

Professional Achievements

- Charter Member of Trade Societies Responsible for Development of Three ANSI Standards
- Co-Author, U.S. Patent Number 6,080,029 and Seven International Patents
- Department of Defense Quality Vendor Award, 1992-1996
- Former Department of Defense Secret Clearance
- OSHA Plant Inspection Exemptions, 1991-1999
- Plant Engineering Magazine “Product of the Year” Design Finalist, 1990
- Former President, Hot Springs YMCA Board of Directors
- Elected to Arkansas Academy of Mechanical Engineering, 2007/ Board of Directors 2008