

**ENGINEER: MECHANICAL**

**KENNETH S. MARSHALL, P.E.**  
Engineering Design & Testing Corp.  
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**EDUCATION:**

1998                      Master in Business Administration  
Cleveland State University, Cleveland, Ohio

1985                      Bachelor of Science in Mechanical Engineering  
University of Cincinnati, Cincinnati, Ohio

**EXPERIENCE:**

June 2007 to            **Engineering Design & Testing Corp.**  
Present                    **Cleveland, Ohio**

Consulting Engineer. Investigation of incidents involving residential, industrial and commercial systems. Services provided include failure analysis, damage evaluation and assessment, mechanical design analysis, and origin and cause of fires.

May 1998 to            **North American Manufacturing Co. – Guiding Systems Group**  
June 2007                **Cleveland, Ohio**

Senior Project Engineer. Experience with custom web and strip guiding equipment projects in the tire and rubber, converting and metals industries. Test and verify equipment. On-site project management and installation supervision.

Production Engineering Manager. Project scope review, work assignment, schedule and approval of design release for the board and CAD design group. Developed proposals and scope of work definitions.

Project Engineer. Engineering and design calculations and factory acceptance testing.

June 1985 to  
May 1998                    **The Lincoln Electric Company**  
**Cleveland, Ohio**

Project/Plant Engineer. Design, fabrication and installation of high speed wire drawing and winding equipment. Facilities upgrades and building modifications to accommodate additional production equipment. Selection and installation of new and rebuilt equipment. Maintenance and modification of existing equipment, facilities and designs. Reviews of safety procedures and equipment on all projects.

Sept 1995 to  
March 1996                **Lakeland Community College –**  
**Mechanical Engineering Technology Department**  
**Kirtland, Ohio**

Mechanical Engineering Technology Instructor.

Sept 1982 to  
August 1984              **General Electric Company – Aircraft Engine Group**  
**Cincinnati, Ohio**

Mechanical Engineering Co-op. Develop and test machining parameters for drill, mill and lathe cutting of high-temperature superalloys.

**CONTINUING EDUCATION:**

*Fundamentals of Rigging / Computer Tools Class*, The Crosby Group, Cleveland, OH (2009)

*Investigation of Appliance Fires Course*, Fire Findings, Benton Harbor, MI (2008)

*Inspection, Testing and Maintenance of Water-Based Fire Protection Systems*, National Fire Protection Association, Cleveland, OH (2008)

*Visual Cylinder Inspection Course*, Professional Scuba Inspectors, Cleveland, OH (2008)

*National Safety Council Confined Spaces Compliance Training Course*, Safety and Health Council of North Carolina, Charlotte, NC (2007)

*Principles of Failure Analysis*, ASM International (2007)

*National Fire, Arson and Explosion Investigation Training Program*, National Association of Fire Investigators, Sarasota, FL (2007)

**CONTINUING EDUCATION: (continued)**

*Combustion School*, North American Manufacturing Co., Cleveland, OH (1987)

*Basic Plate & Sheet Metal (stick), GMAW (MIG), GTAW (TIG) welding programs*,  
The Lincoln Electric Welding School, Cleveland, OH (1985)

**PROFESSIONAL ORGANIZATIONS:**

American Society of Mechanical Engineers (ASME)  
National Association of Fire Investigators (NAFI)  
National Fire Protection Association (NFPA)  
ASM International (ASM)

**CERTIFICATIONS:**

Certified Fire and Explosion Investigator (CFEI #6279)

**REGISTRATION:**

Registered Professional Engineer in Ohio (E-56857)  
Registered Professional Engineer in Indiana (PE10708873)  
Registered Professional Engineer in Kentucky (26216)  
Registered Professional Engineer in Michigan (6201054902)  
Registered Professional Engineer in Mississippi (18959)  
Registered Professional Engineer in Pennsylvania (PE075126)  
Registered Professional Engineer in West Virginia (17425)  
Registered Professional Engineer in Wisconsin (40612-6)  
Registered Professional Engineer in Illinois (062.062099)  
Registered Professional Engineer in New York (088002)  
Registered Professional Engineer in Connecticut (PEN.0028240)