



**Bradley N. Plank, P.E.**  
Mechanical & Metallurgical Engineer



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Bradley N. Plank, PE uses his combination of mechanical and materials (metals and plastics) experience and education to provide forensic and consulting engineering services to attorneys, insurance professionals, and industrial clients. His experience includes 32 years in manufacturing in the metals processing industries, 27 years performing failure analyses, and 25 years investigating claims for insurance firms and attorneys. Mr. Plank has testified in a wide variety of matters including personal injury and property damage, in both state and federal court and his testimony has never been excluded. Issues have involved

Mechanical Equipment  
Appliances  
Oil and Gas Transmission  
Plumbing

HVAC  
Heavy Equipment  
Machine Tools  
Cranes and Wire Cables

Manufacturing Processes  
Thermal Processes  
among many others

#### EXPERIENCE

Unified Investigations & Sciences, Inc., 2008 to June 2018, Senior Engineer, Mechanical & Metallurgical  
O. Smith Water Products Company, 1993 to 2007, Product Safety Manager  
The Stanley Works, 1982 to 1993, Manager of Product Development  
Dresser Industries, Inc., 1975 to 1981, Metallurgist and Heat Treat Supervisor

#### EDUCATION

Ohio State University, Columbus, Ohio Bachelor of Science, Metallurgical Engineering, 1975  
University of Tennessee, Knoxville, Tennessee Master of Business Administration, 1981

#### LICENSES AND REGISTRATIONS

Professional Engineer (PE) in Texas and 23 other states  
Certified Fire and Explosion Investigator (CFEI)

#### PROFESSIONAL ORGANIZATIONS

National Association of Fire Investigators  
International Association of Arson Investigators  
American Society of Heating, Refrigerating and Air Conditioning Engineers  
American Society of Plumbing Engineers  
ASM International  
Society of Plastics Engineers  
NACE International

#### PATENTS

U.S. Patent 5,797,358 Control System for a Water Heater issued August 25, 1998  
U.S. Patent RE 37,745 Control System for a Water Heater issued June 18, 2002