



**Steven B. Kushnick, P.E., Inc.**

Mechanical Engineering

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**STEVEN B. KUSHNICK, P.E.**  
**Turbomachinery Expert**

**ABBREVIATED QUALIFICATIONS**

*Please see complete CV and Service List at [www.sbkushnick.com](http://www.sbkushnick.com)*

*Skilled and experienced in the design, analysis, troubleshooting, and failure analysis of turbomachinery and ancillary equipment. Design hardware for turbines, compressors, combustors, fuel nozzles, fluid film bearings, rolling element bearings, oil-film dampers, lube systems, plumbing, heat transfer equipment, and test equipment. Analyze internal flow, heat transfer, structures and strength, dynamics and vibration, fatigue and fracture, equipment failures and test results. Use ANSYS™ finite element analysis code, CAD software, and develop specialized computer utility programs for design, analysis, and problem solving. Procure and deliver hardware. Provide economic and engineering analyses of proposed equipment modifications. Write inspection procedures, repair procedures, and process specifications. Provide independent third-party consultation, warranty dispute evaluation, and litigation support. Access to metallurgical laboratory.*

Steven B. Kushnick, P.E., Inc.  
*Principal Engineer*  
1996-present

Fern Engineering, Inc.  
*Project Manager*  
1989-1996

Pratt & Whitney  
*Project Engineer, Supervisor*  
1980-1989

Howmet Turbine Components Corporation  
*Engineering Trainee* - 1979

Mechanical Associates  
*Machinist's Apprentice* - 1978

Member:

- American Society of Mechanical Engineers (ASME)
- ASM International (ASM)
- Society of Automotive Engineers (SAE)
- National Society of Professional Engineers (NSPE)

B.S. Mechanical Engineering, Boston University, 1980,  
*Cum Laude*

- Teaching Assistant: Mechanics I, Mechanics II
- Tutor: Mechanics I, Mechanics II, Electric Circuits

Two U.S. Patents in the field of gas turbine engines

Registered Professional Engineer:

Alaska	#11369	California	#M028670	Florida	#35560
Georgia	#23625	Illinois	062.061018	Massachusetts	#35315
Washington	#37219	Alabama	#342114		