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energy is added to the gas by the rotor blades, then converted to static pressure by the stator vanes. In the turbine, the stator vanes increase gas velocity, and then the rotor blades extract energy. The vanes and blades are airfoils that provide for a smooth flow of the gases.

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Elements of Propulsion: Gas Turbines And Rockets. He retired from active duty with the U.S. Air Force in 1989 and joined the faculty of Seattle University. In 2000 he retired from Seattle University as Professor Emeritus in Mechanical Engineering to dedicate his efforts to writing this textbook and a new edition of Aircraft Engine Design,...

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" welds in power transmitting parts " welds in casing of bearings (min. 10% to be tested) " balancing of rotating elements, both separately and assembled " spin test of compressor and turbine rotors " certification testing of gas turbine (o r gas generator separately).

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