A **Paragon** ™ Workstation for Circular Geometry Inspection

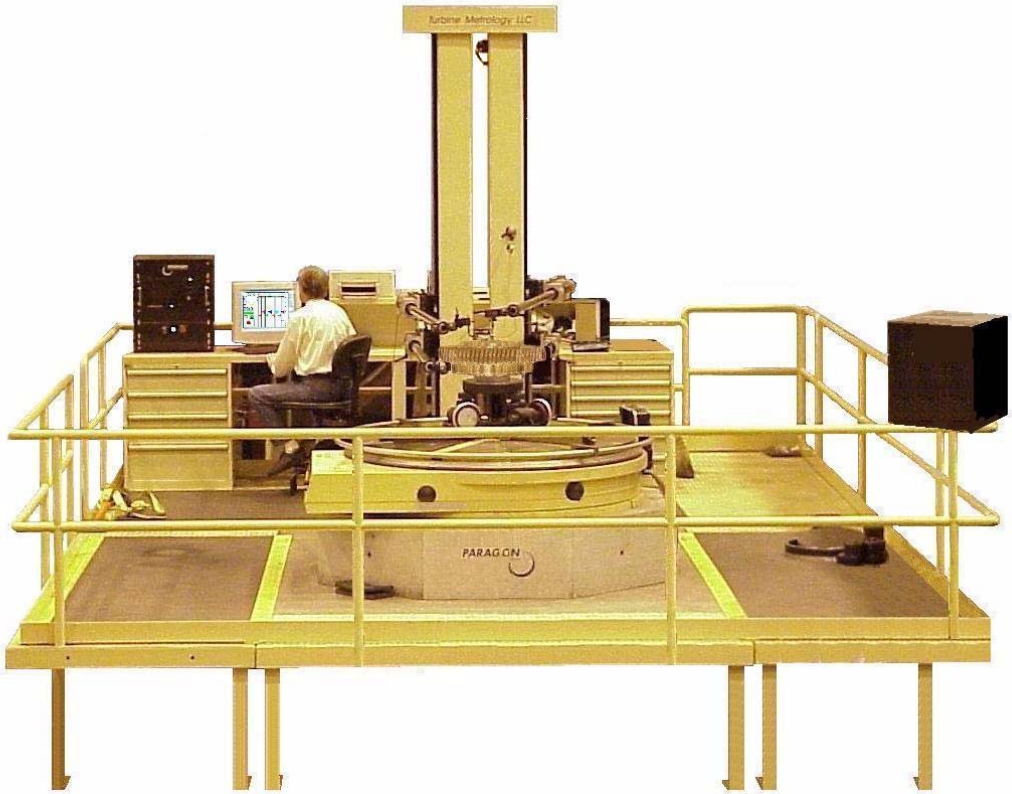

Photo courtesy General Electric Company

This complete **Paragon** workstation was designed for intermediate-sized power generation gas turbine components up to 15,000 pounds (6,800 Kg) in weight and 72 inches in diameter (1.8 m). The major components of the workstation consist of a 1500 mm air bearing rotary inspection table, a Turbine Metrology 80-9330-1120 120" (3.0 m) twin column unit gauge stand, a 96 x 120 x 30 inch (2.4 x 3.0 x .76 m) base surface plate, and a 76 x 18 inch (1.9 x .46 m) octagonal surface plate spacer to bring the table to a comfortable working height. Also included are laser alignment tools for the positioning of gauge heads, part leveling and fixturing with a 25,000 pound (11,000 Kg) capacity, gauge head articulators and fixturing details.

Measurement is via Turbine Metrology's Paragon PG-4 Circular Geometry Inspection system. Paragon can take up to 5,000,000 measurements on each of four or more surfaces simultaneously to completely characterize the part in the way no CMM or other CGI system can.

This workstation was supplied as a turnkey assembly. Turbine Metrology can supply Paragon workstations for a complete range of component sizes -- from less than a pound (.5 Kg) to 50,000 pounds (22,500 Kg), or any of the individual component parts of the system.