

# Metrology Solutions for AEROSPACE



AMETEK®

Solartron Metrology, a world leader in Precise Linear Measurement, provides multiple solutions for the gauging of Aerospace and Aircraft Engine components.

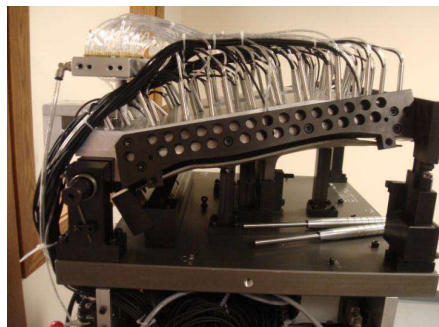
- Use Solartron's compact Pencil Probes and other sensors to quickly check wing forms or turbine blades
  - Easy, precise measurements and data allocation
  - Accuracy as low as 1 micron and Repeatability down to 0.15 microns.
  - 0.5 mm to 30mm Measurement Range
  - Specialized sensors such as Block Gauges
  - Non-contact Laser Triangulation
- **Quick Throughput:** Gauging with Solartron means multiple, quick reliable measurements of any free form shape using a custom gauge. All readings can instantaneously be output to a PC or PLC.
- Contact Sensors have a **rugged build**, with the designs tested to millions of cycles under harsh conditions
- Up to 250 Sensors - Contact, Non Contact, and 3<sup>rd</sup> party - can easily be connected via the **Solartron Orbit® Network**
  - Calibrated Digital Sensors
  - Output to PC via USB, Ethernet or Wireless Interface.
  - Output to PLC via Ethernet/IP®, Profinet®, EtherCAT®, CC Link®, Modbus TCP/IP, or Modbus (Serial).
  - Output Data to Excel Sheets or any SPC package with Orbit software drivers
  - **Orbit Gauge Software 4.0** is available for full sequencing, automation connections, and data tracking
- **Wireless Solutions** are also available with Bluetooth output and Data Connectivity.
- Connect over longer distances with cable extensions, custom length cables, or Bluetooth wireless.



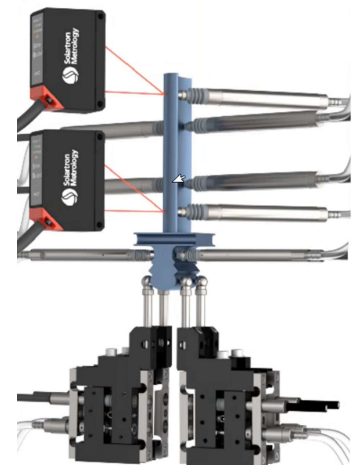
*Contact probes checking the shape of a turbine blade*



*All probes interconnected with the Orbit® Network*



*Gauging of a Turbine Mount - Machined part is mounted into gauge where 90 points are checked instantaneously. Much faster measurement than a CMM. (Pictures courtesy of Aero Foil International, Muskegon, MI, USA)*



*Flexures, Lasers, and probes checking a turbine blade*

## Orbit® – The Total Measurement System from Solartron Metrology

The Solartron Orbit® Digital Measuring System provides a limitless set of measurement solutions, with numerous different interfaces to computers and PLC's.

