

# NONDESTRUCTIVE TESTING

+1 402.475.2611 | www.DuncanAviation.aero | 800.228.4277



## INFORMATION & CAPABILITIES



### TESTING CAPABILITIES

- Eddy current
  - Fluorescent penetrant
  - Ultrasonics
  - Magnetic particle (includes demagnetization capabilities)
  - Optical Prism Inspections
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- NDT techs Certified Level 2 or higher
  - In-the-field service
  - 3 shifts/7-day coverage

### QUALIFICATIONS & CERTIFICATIONS

#### Falcon 10

- Attach fittings

#### Falcon 20

- MCI
- Attach fittings
- Wheel well
- Flap rods
- 0-40 spot welds
- Windshield post

#### Falcon 50, 900, 2000

- Attach fittings
- Windshield post
- Composite

#### Cessna

- Certification for Nondestructive Testing

#### King Air

- SIRM Wing spar inspection
- Wing attach fittings

#### Honeywell

- Fan disc attachment slot
- HPT bore
- Main support frame assembly
- LPT2 (AD 2014-12-52)

#### Rolls-Royce BR-700

- Ultrasonic inspection of fan disc

#### Pratt & Whitney

- IBR

The Duncan Aviation NDT team can test nearly every surface of an aircraft and a near limitless list of materials. They are called to locate cracks in parts before they fail, evaluate areas of corrosion, as well as determine remaining thickness on materials.

Following a strict, established protocol, every piece of equipment is calibrated to the exact test and material surface. Specialized probes increase their capabilities of accurately testing any size or shaped surface whether on the exterior of the aircraft or hidden inside.

### CONTACT

Rob Tate, NDT Team Leader, BTL  
+1 269.969.8471  
Rob.Tate@DuncanAviation.com

Brian Young, NDT Team Leader, LNK  
+1 402.475.2611, ext. 1035  
Brian.Young@DuncanAviation.com

Ray Vieselmeyer, NDT Crew Leader, PVU  
+1 801.342.5523  
Ray.Vieselmeyer@DuncanAviation.com