

NONDESTRUCTIVE TESTING

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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)
- Impeller

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.

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