NON-DESTRUCTIVE TESTING (NDT)

MAIN PROCESS & SPECIFICATIONS	PROCESSING METHODS	PROCESS CAPABILITY	CAAS & FAA CERTIFIED	NADCAP ACCREDITED	ON SITE
Fluorescent Penetrant Inspection (FPI) ASTM E1417, SPOP 62, SPOP 82, HS 447, PN 16.03, FEIS 701B, 981-060-021	Penetrant Type: Type I – Fluorescent Penetrant (In accordance with QPL-AMS 2644) Penetrant Removal Methods: Method A Water Washable Method C Solvent Removable Method D Hydrophilic Post-Emulsified Penetrant Sensitivity and Method by Spray Application: Level 2 – Method A & D Level 3 – Method A & D Level 4 – Method D Developer: Form a – Dry Powder (Dust Storm Application) Form d – Non-aqueous Wet Developer (Solvent Based)	Oven, Emulsifier and Developer Tank Dimensions: Depth: 800 mm, Length: 1600 mm, Width: 680 mm Hoist for heavy parts up to 500kg	✓	✓	✓
Magnetic Particle Inspection (MPI) ASTM E1444, SPOP 102, SPOP 105, HS 31, PN 16.04, FEIS 701A, 981-060-021	Magnetization Methods: - Direct contact, - Indirect magnetization, - Induced current magnetization (Toroidal)	MPI machines (Magnaflux) 3 Phase Full Wave DC, 25 inch coil, 6000 Amp Processing Capability: Max part length: 1340 mm Max part diameter: 630 mm Yoke (AC & DC) Fluorescent Magnetic Ink	✓	✓	✓
Eddy Current Testing (ET) ASTM E376, ASTM E1004	High Frequency Eddy Current Testing, Low Frequency Eddy Current Testing, Conductivity Testing, Flaw Detection	Nortec 500S	✓		✓
Ultrasonic Testing (UT) ASTM E114, ASTM E797/797M	Contact Testing, Thickness Gauging, Flaw Detection	Epoch 600	✓		✓

Qualifications: NAS410/EN4179 Certified