

# Metals Testing Company – "Line Card"

## Company Overview

Since 1962, Metals Testing Company (MTC) has been providing high quality nondestructive testing and special processes for our customers around the world. Markets that we serve range from commercial and military aircraft and aerospace, to power generation and automotive industries. No job is too large or too small to accommodate.

Location: South Windsor, Connecticut (USA)  
Facility Size: 12,000 square feet  
Employees: 25

Our primary business is providing facility-based services to the aerospace industry for its critical rotating parts. We provide field services where appropriate (i.e., all the same as facility based services with the exception of acid room related processes). In addition to services, we also provide custom products through our sister division: MTC Systems.

## Facility Based Services

- Fluorescent Penetrant Testing (a.k.a., FPI, PT)
- Magnetic Particle Testing (a.k.a., MPI, MT)
- Ultrasonic Testing (a.k.a., UT, Sonic, C-Scan)
- Eddy Current Testing (a.k.a., ET, ECT)
- Visual Inspection (a.k.a., VT)
- Research & Development
  
- Chemical Etching
- Anodic Etch
- Blue Etch Anodize
- Nital Etch (a.k.a, Temper Etch)
- Pre-Penetrant Etch
- Swab Etch
- Schantz Etch
- Chem Milling
- Acid Cleaning
- Alkaline Cleaning
- Acid Pickle
- Passivation
- Vapor Degreasing
  
- Alloy Type Testing (a.k.a., ATT)
- Replication
- Demagnetization
- FPI/PT Solution Verification
- MPI/MT Solution Verification
- Meter Calibration
- Calibration Standards Design & Procurement
- Technique Development

## Field Inspection Services

- Fluorescent Penetrant Testing (a.k.a., FPI, PT)
- Magnetic Particle Testing (a.k.a., MPI, MT)
- Ultrasonic Testing (a.k.a., UT, Sonic, C-Scan)
- Eddy Current Testing (a.k.a., ET, ECT)
- Visual Inspection (a.k.a., VT)
- Alloy Type Testing (a.k.a., ATT)

## Products & Systems

- Immersion Tanks
- Immersion Tank Upgrades
- Custom Scanners
- Custom Motion Control Systems
- Related Training

## Certifications & Approvals

We are a yearly re-certified, NADCAP approved, inspection laboratory since 1992. We also hold an FAA Repair Station Certificate (DOT FAA Air Agency Certificate) for providing NDE services.

### *Partial List of Approvals*

AeroJet Liquid	Lockheed Martin
Allied Signal	LPI Corp
Allison	Lycoming
Bell Helicopter	MacDonald Douglas
Bendix	Menasco Aviation Services
Boeing	Messier-Dowty
Coltec Industries	MTU
Curtis-Wright	North American Rockwell
FAA	Northrop Grumman
Garrett Turbine Engine Co	Parker Aerospace
General Dynamics, Electric Boat	Posi-Seal
General Electric Aircraft Engines	Pratt & Whitney (US & Canada)
Goodrich Landing Gear	Rolls-Royce (UK & US)
Grumman	Sikorsky Aircraft
Hamilton Sundstrand	Snecma
Honeywell, Allied Signal/AES	Sundstrand
Heico, Jet Avion/LPI Corp	Talley Defense Systems
Jet Avion	Textron, Bell Helicopter/Lycoming
Kaman Aerospace	Westinghouse Power Generation
	Williams International

## Advanced Capabilities

- ❖ Blue Etch Anodize
- ❖ UT C-Scanning
- ❖ Inspection of Critical Rotating Components
- ❖ Complex Contouring Following Motion Control

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