

Inspection Services

NDE - Quality Assurance - Quality Control



First Quality
Solutions

It's More Than an Inspection,
It's Peace of Mind!



Aerospace Quality System &
NonDestructive Testing

www.firstqualitysolutions.org



**The object of all work is
production and
accomplishment and to either
of these ends there must be
forethought, system, planning,
intelligence, and honest
purpose, as well as
perspiration.**

~ Thomas A. Edison

NADCAP Accreditation for Nondestructive Testing

As a testament to First Quality Solutions' commitment to delivering the highest standards of Nondestructive Testing, we proudly maintain our NADCAP accreditation.



“Congratulations to First Quality Solutions on successfully passing what may be the aerospace industry’s most stringent process capability assessment audit,” said Joe Pinto, Executive Vice President and Chief Operating Officer at the Performance Review Institute. “NADCAP audit criteria are widely acknowledged to be hard to meet and companies like First Quality Solutions, who succeed at doing so, rightfully deserve recognition.”



NADCAP Accredited



Fluorescent Penetrant Inspection (FPI) Line



Fluorescent Penetrant Inspection (FPI) Line

First Quality Solutions has expanded its liquid penetrant (PT) inspection service line to include inspection laboratory capabilities. FPI is a quick, reliable, and economic method for detecting surface discontinuities in any metallic parts. With alkaline washing, materials handling, and NADCAP accredited inspection capabilities, we are ready to provide a local solution to your FPI needs!

Applications

- ◇ **Aerospace**
- ◇ **Defense**
- ◇ **Manufacturing**
- ◇ **Fasteners**
- ◇ **Transportation**
- ◇ **Medical Devices**



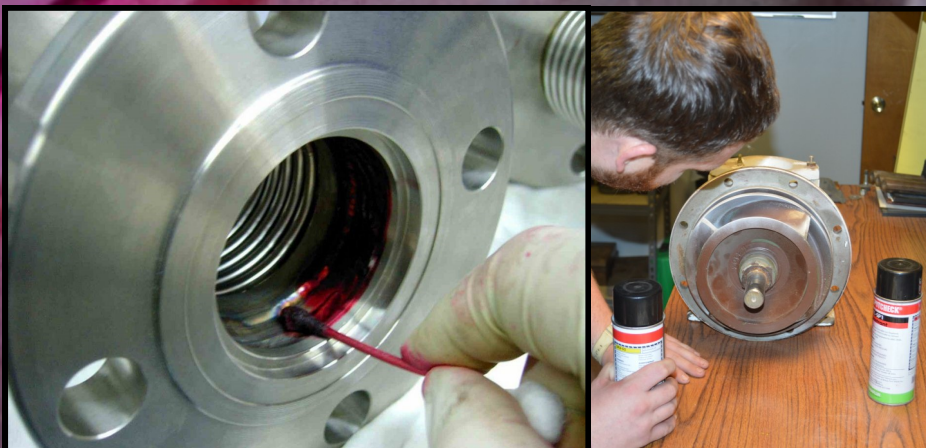
Liquid Penetrant Inspection



Leading the industry of field services liquid penetrant inspection, First Quality Solutions certifies to a minimum of level II in accordance with the requirements of SNT-TC-1A. Count on FQS to provide quality, reliability, or safety inspections for various applications, including:

- Power Generation
- New Construction
- Tanks & Pressure Vessels
- Process Piping
- Pumps & Gears
- Turbine Components

Call today to satisfy your liquid penetrant inspection requirements.



Liquid Penetrant Inspection (PT)



Magnetic Particle Inspection (MT & MPI)

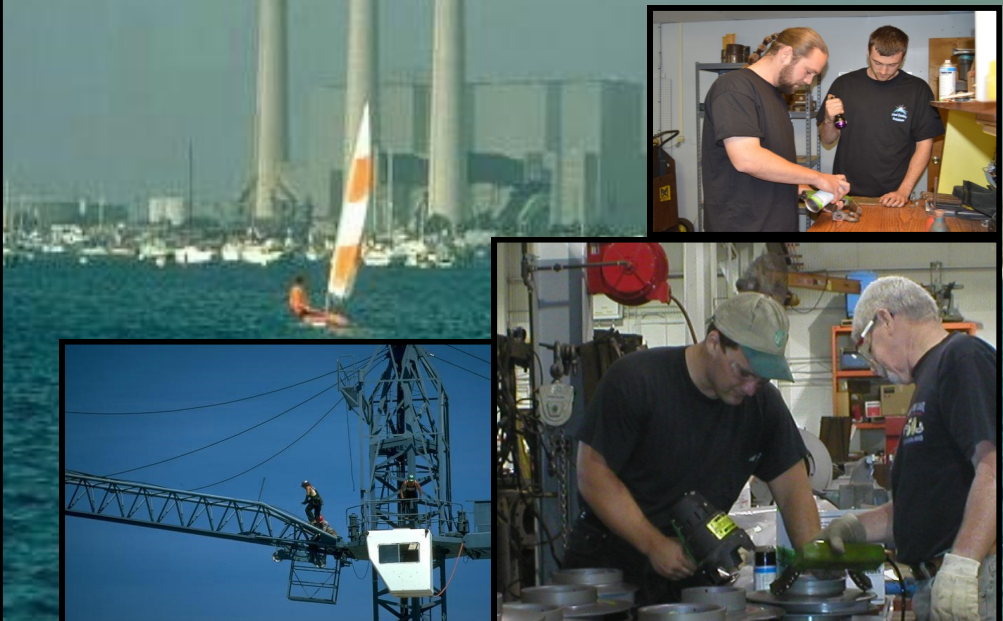
Magnetic Particle Inspection

With years of field experience, all MT/MPI inspectors are certified to at least level II in accordance with SNT-TC-1A, or NAS-410. Our comprehensive training and certification program guarantees technicians who deliver the results our customers have come to expect. Field Services (MT) and Lab Services (Horizontal MPI Bench) available.* Listed below are some of the industries we specialize in.

- Aerospace & Defense Manufacturing
- Power generation facilities
- Tanks & pressure vessels
- High energy & process piping
- Crane hooks & material handling equipment
- Rotating equipment
- Bridges

Contact First Quality Solutions today to schedule your next Magnetic Particle Inspections!

*NADCAP accreditation for MPI coming December 2017



ANST Level 2 Visual Inspection

Since our inception, First Quality Solutions has performed SNT-TC-IA certified visual inspectors to every industry from food processing to power generation. With a wide breadth of knowledge and expertise inspecting boilers, tanks, pressure vessels, piping systems, and everything in between, First Quality Solutions has the first-class field services to fulfill all your visual inspection needs.

Call today to schedule your next visual inspection!



Visual Inspection (VT)





Visual Inspection (CWI)

AWS Certified Weld Inspectors

First Quality Solutions provides AWS trained & certified CWI professionals. Our competitive rates and rigorous certification program guarantee cost effective, premium CWI services you will rely on time and again. FQS is your trusted resource for all your CWI needs.



Remote Visual/Video Probe Inspection

A premium service at a price you can live with, First Quality Solutions has inspectors standing by for all your remote visual inspection needs, including:

- Internal header inspection/Internal ligament cracking
- Internal piping inspection
- Internal tool retrieval
- Internal debris detection



Ultrasonic Inspection Services

All FQS UT inspectors are trained and certified to at least level II in accordance with SNT-TC-1A. Our extensive line of ultrasonic inspection services includes:

- ASME / AWS Flaw Detection

-Ultrasonic Thickness Inspection

- Boiler waterwall surveying & mapping
- Tank/vessel erosion & corrosion mapping
- Piping Flow Accelerated Corrosion (FAC)

- Oxide/Coating Measurement



Ultrasonic Inspection (UT)





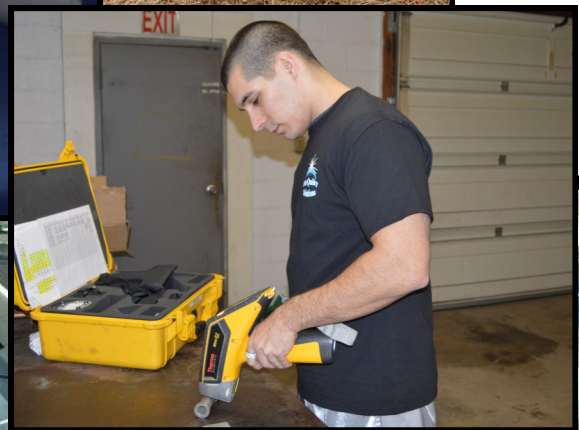
X-Ray Florescent (XRF) Analysis

XRF Analysis

First Quality Solutions now offers X-ray florescent (XRF) analysis for a number of different applications.

- Positive Material Identification (PMI) Analysis
- Lead Detection
- Precious Metals Identification & Analysis
- Soil Analysis

XRF techs are standing by to service your analysis needs, call today to schedule.



Eddy Current Inspection Services



All FQS ET inspectors are trained and certified to at least level II in accordance with SNT-TC-1A. Our eddy current inspection services includes:

- Surface Eddy Current Inspection
- Coating Thickness Inspection

Areas of application include:

- Aerospace components
- Turbine components
- Pumps
- Piping
- Water & chemical storage tank coatings



Eddy Current Inspection (ET)





Leak Detection/Inspection (LT)

Leak Detection/Inspection

FQS LT inspectors are trained and certified to at least level II in accordance with the requirements of SNT-TC-1A. Our leak detection services include:

- Piping - Gas leak detection
- Bubble leak testing

Areas of application include:

- Power generation facilities
- Piping systems
- Refineries
- Transportation—Rail industry

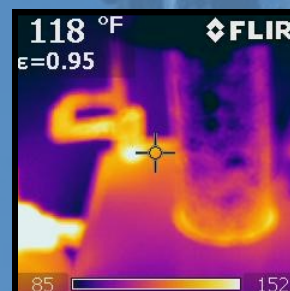
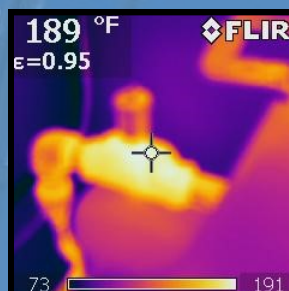
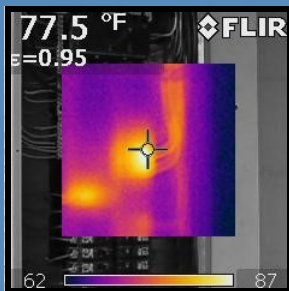


Thermal Imaging

Infrared thermal imaging is a quick, easy, and inexpensive solution for minimizing wasted energy, locating moisture sources and identifying electrical problems., to name a few applications. First Quality Solutions can pinpoint problems areas in the following fields:

- Building diagnostics & restoration
- Electrical/mechanical
- Insurance claims

Contact First Quality Solutions today for rates and scheduling.



Hardness Testing

First Quality Solutions routinely performs hardness testing at leading research centers and manufacturing facilities.

Contact First Quality Solutions today to schedule your next hardness test.



Additional Services



“Quality is never an accident, it is always the result of high intention, sincere effort, intelligent direction and skillful execution; it represents the wise choice of many alternatives.”

~William A
Foster

Make the Right Choice For Your Company Today!

For more information on how First Quality Solutions can help support your inspection needs, please contact us at:

FQS Field Services Office

1500 Harpersfield Rd.
Geneva, Ohio 44041
Ph: 440-415-1112
Fax: 440-415-1183

FQS Inspection Laboratory

210 N. Lake St.
Madison, OH 44057
Ph: 440-983-4382
Fax: 440-307-9284

Email: kkissig@fqsndt.com

www.firstqualitysolutions.org





“Quality is the result of a
carefully
constructed cultural
environment. It has to be the fabric of
the organization,
not part of the fabric.”

~Philip Crosby

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