



# Pulp and Paper

## We Take A Closer Look

### Pulp and Paper Inspection

In the highly specialized and demanding environment of the pulp and paper industry, Applied Technical Services leads the way with unsurpassed quality and service.

### Commitment to Quality

Dedication to quality is a way of life at ATS. Through our in-house training program, all inspection personnel are trained and certified in accordance with SNT-TC-1A. This, along with our quality assurance department and experienced management personnel, allows ATS to give our clients the high level of quality they expect.

### Personalized Service

Because each client is unique, ATS caters to the individual needs of our clients. Knowledgeable managers and experienced technical personnel are always available to assist in determining the most effective method to achieve your inspection goals. Regardless of the project, ATS is committed to providing high quality, personalized service to all clients.

### Pulp and Paper Services

- Paper Machine Inspection
- Boiler Inspection Services
- Nondestructive Testing Services
- Tanks, Pressure Vessels and Piping Systems
- Mechanical Integrity Programs

**Applied Technical Services**

1049 Triad Court  
Marietta, GA 30062



Website: [www.atslab.com](http://www.atslab.com)



Tel: +1 (888) 287-5227



## Paper Machine Inspection

### Auto-V Ultrasonic Inspection

Since most paper machine dryer cans are manufactured using a casting process, standard ultrasonic thickness equipment may not provide accurate results. ATS uses fully automated thickness crawlers capable of on-line velocity adjustments to compensate for the changes in acoustical properties inherent in the casting process. This allows for an accurate thickness scan across the full length of a dryer can.

### Internal Visual Examination

Internal visual examination of paper machine dryers is one of the most efficient and effective methods of inspection. During a visual inspection, the condition of internal components along with areas of shell thinning and grooving can be determined.

### Heads, Journals and Bolts

Magnetic particle inspection of the heads and journals of paper machine dryers, along with ultrasonic soundness inspection of the bolts is performed to find defects before they become major problems.

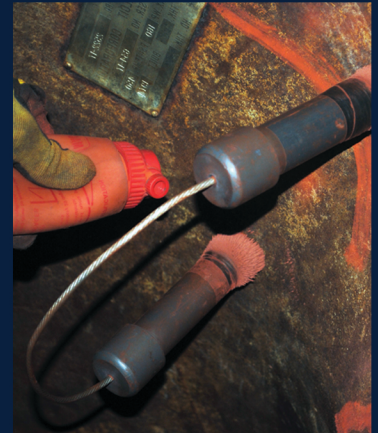
## Boiler Inspection Services

### Ultrasonic Thickness Survey

Fast, cost-effective boiler surveys are performed by highly trained, experienced personnel using state-of-the-art ultrasonic data loggers.

### Composite Tube Inspection

Liquid penetrant inspection of composite tube material is performed to identify damaged areas, while non-ferrous coating surveys determine the overall thickness of the composite material.



## Computed Radiography

Since 2001, ATS has been the industry leader in providing Computed Radiography (CR) services to our Pulp and Paper clients. Computed Radiography, unlike conventional film radiography, uses special imaging plates to capture digital images that can be saved in a variety of electronic formats such as CD and DVD. Computed Radiography is ASME code compliant and offers substantial benefits compared to conventional film radiography. Some of the benefits include:

- Increased production levels
- Lower radiation exclusion zones
- Eliminates the use of hazardous chemicals
- Immediate inspection results
- Electronic data storage

## Nondestructive Testing Services

ATS offers a complete line of field services including:

- Radiography
- Ultrasonics
- Magnetic Particle
- Liquid Penetrant
- Eddy Current
- Leak Testing
- AWS-CWI
- API-653 / API-510 / API-570

## Tanks, Pressure Vessels and Piping Systems

### Automated Ultrasonic Thickness Crawlers

Through the use of automated ultrasonic thickness crawlers, continuous thickness scans can be performed on the shell of carbon steel tanks and vessels, as well as piping systems. This inspection data is presented in a graphical format that can include minimum wall thickness calculations in accordance with a variety of standards such as API-653.

### API-653 / API-510 / API-570 Inspections

The large inventory of tanks and pressure vessels in the pulp and paper industry has prompted many facilities to adopt API inspection standards. ATS is prepared with an experienced staff of API-653, API-510, and API-570 certified inspectors.

### Engineering Evaluation

ATS's full time engineering staff is available to make repair recommendations and assist in data analysis following inspection projects. Remaining life expectancy, future inspection intervals, and a general engineering summary can be included in each evaluation report.

### Mechanical Integrity Programs

Maintaining equipment inventory, repair records, and inspection intervals is simple and efficient with ATS' computer database programs. Each program is customized to suit the individual needs of each client and may be included in the cost of an inspection project or purchased separately.