



ATTAR Services



ATTAR was established to conduct materials testing and research using the most technically advanced equipment available and to provide full-time NDT training to Australian industry. Our current range of services and goods includes the following:-

NDT Training:

ATTAR is an Australian Institute for Non-Destructive Testing (AINDT) Authorised Qualifying Body conducting NDT Training AND Examinations to AS 3998-2006/ISO 9712:1999 Non-destructive testing – Qualification and certification of personnel.

Courses available include the following:

- Liquid Penetrant Testing (PT)
- Magnetic Particle Testing (MT)
- Ultrasonic Testing (UT)
- Radiography (RT)
- Eddy Current Testing (ET)
- Acoustic Emission (AE)
- Magnetic Flux Leakage (MFL)
- Phased Array Ultrasonics



Acoustic Emission Testing:

Acoustic emission testing consists of monitoring a vessel with sensors while subjecting it to increasing stress. The acoustic emission sensors are sensitive to transient stress waves (events) caused by stressed defects.

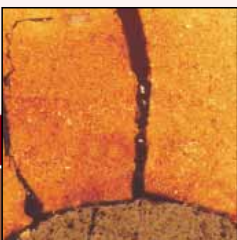
This allows for the structural integrity of the vessel to be assessed in one test, with relatively little interruption. If acoustic emission levels are within acceptable limits the vessel is then placed back into service, otherwise other NDT methods may be used to assess areas of interest.

Testing has been conducted on steel and FRP tanks and vessels as well as FRP booms on elevating work platforms. AE has also been used to monitor bridges, wind turbine blades, and timber structures.



Floor Slip Resistance Testing:

ATTAR provides a comprehensive slip resistance testing service on site and in our laboratory. We have many years experience in slip resistance testing, including slip



accident investigations and hold NATA accreditation for wet slip resistance testing.

ATTAR are also agents for slip resistance equipment such as the Tortus III floor friction tester and can also supply the Munro Stanley pendulum as well as rubber sliders.

ATTAR now offers calibration services for the British Portable Skid Resistance Testers (Pendulum). Calibration is conducted to British Standard BS 7976-3: 2002 Pendulum Testers - Part 3: Method of Calibration, as required by AS/NZS 4586 and AS/NZS 4663.

ATTAR also offers performance checks and certification of Tortus instruments.

Materials Failure Analysis:

ATTAR offers an engineering materials and mechanical failure analysis service for the Insurance Industry and the Legal Profession in the following areas:-

Building Materials

Concrete, mortar, plaster and tiling failures.

Paint system problems, thickness and peeling .

Motor Vehicles

Mechanical failure analysis of all components, Tyre failure, Windscreen failure analysis.

Engineering Failures

Micro examination of steel microstructure.

Structural and component failures in cranes, machines and aircraft including determination of mechanism and cause.

Public Liability

Bottle breakages, Slip incidents, Mechanical failure of products and equipment, Incident investigations involving machines and equipment, determination of contributing factors, including compliance with Occupational Health and Safety and other Standards.



ATTAR

Advanced Technology Testing and Research