

FRP composites inspection

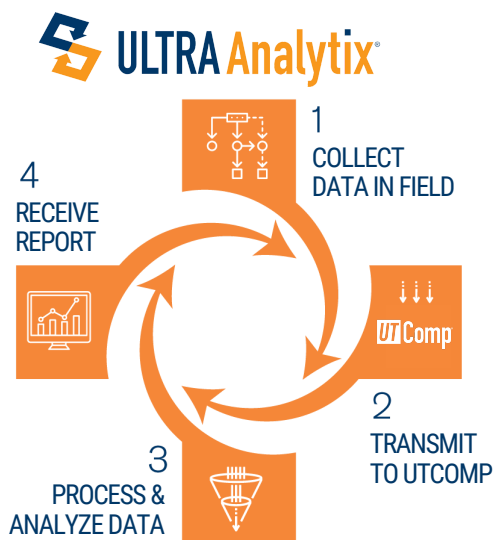
NDT innovation for reliability + proactive service-life forecasting

UltraAnalytix by UTComp is **the only proven non-destructive, non-intrusive evaluation method** for safe, reliable, cost-effective testing of FRP and other composite material assets.

UltraAnalytix can save you millions in asset replacement & management costs

UltraAnalytix NDT is more than conventional ultrasonic thickness testing. Innovative post-processing of the raw ultrasonic data with a proprietary algorithm pinpoints changes to the asset condition that are invisible to the human eye.

Comprehensive reporting includes a detailed overview of the asset condition, an estimate of the remaining service life, plus additional recommendations to ensure safe performance and avoid unnecessary replacement costs.



The data you need for better decision-making

Service-life forecasting maximizes your asset investment and lifespan

Avoid shutdowns and confined space entry

12+ years of validated results worldwide

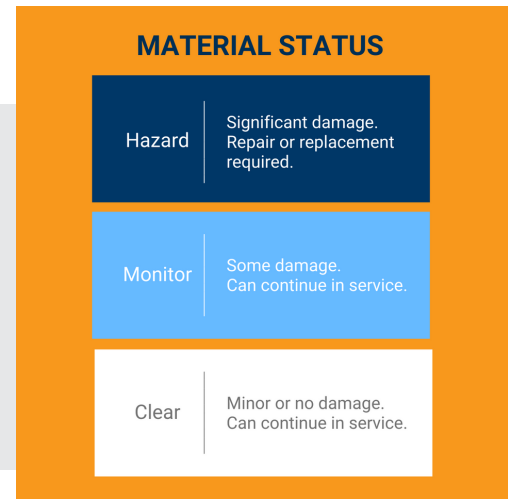
UltraAnalytix NDT evaluation includes:

- Corrosion barrier condition
- Structural changes occurring within the composite structure
- Composite strength
- Composite thickness
- Damage caused by abrasion, corrosion and mechanical loads due to impact, poor supports, earthquakes, hurricanes and other factors.


“**UltraAnalytix is an industry game-changer for accurate service-life forecasting and composite asset reliability.**”

Dan Falcioni,
Manager of the Materials Technology Group,
XPS Expert Process Solutions

The UltraAnalytix NDT system combines **ultrasonic data collected in the field, external visual inspection and analysis with a proprietary algorithm** to provide validated results.



Technology comparison

Method:	 ULTRA Analytix	Ultrasonic thickness testing	Thermography	Digital radiography	Visual inspection	Acoustic emission	Destructive testing
Cost:	Low	Low	Mid	Mid	High	High	High
Inspection time:	15-60 minutes	15-60 minutes	15-60 minutes	1-4 hours	1-4 hours	2+ days	2 days
Non-intrusive	●	●	●	●	○	○	○
Inspect while equipment is operating	●	○	○	○	○	○	○
Mechanical integrity	●	○	◐	○	○	○	●
RSL updates	●	○	○	○	○	○	◐
Repeatable	●	●	◐	◐	○	○	○
Ease and reliability of data capture	●	●	◐	◐	○	○	○
Minimizes confined space entry	●	●	●	●	○	●	○

● Capable ○ Not capable

Applications

UltraAnalytix NDT is suitable for all composite materials including:

- Fiber-reinforced plastic / polymers (FRP)
- Carbon fiber
- Dual laminate
- High-density polyethylene (HDPE)
- Polypropylene

Industries

- Chemical Processing
- Mineral Processing
- Oil & Gas
- Water & Wastewater
- Wind Energy
- Pulp & Paper
- Food Processing
- Infrastructure
- Quality Assurance
- And Many Others

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