

FRP composites inspection

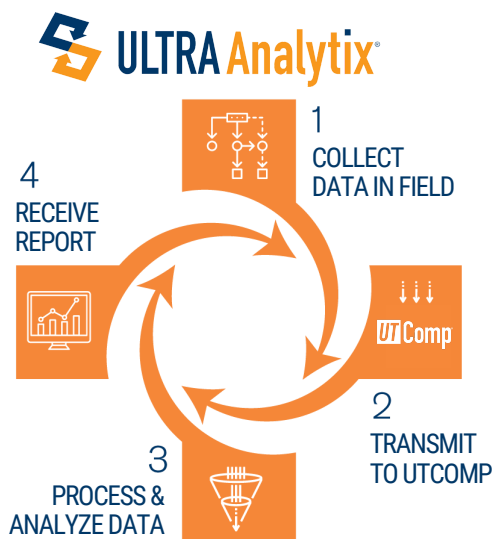
NDT for reliability and proactive service-life forecasting

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.

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, plus 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

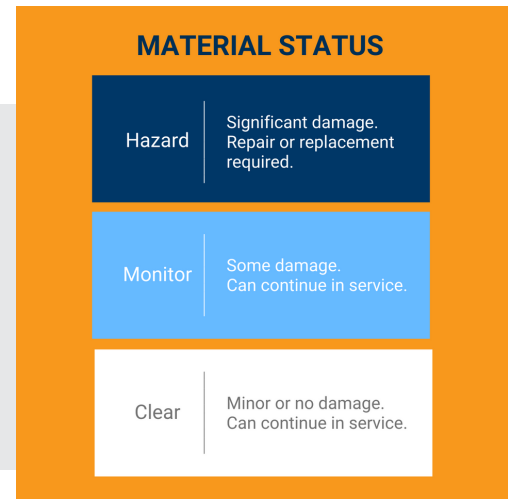
UltraAnalytix NDT evaluation includes:

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

Contact:



UTComp, Inc.
1-519-620-0772
inquiries@UTComp.com

