



UNIQUE
IN NDT



Global specialist in Ultrasonic
NDT solutions



UNIQUE TEAM IN NDT



Fit to needs



Fit to Budget



Expertise



Performance

Why UNIQUE?

TPAC provides **standard** packages, as well as **customized solutions** supported by the **world's largest UT engineering team**.

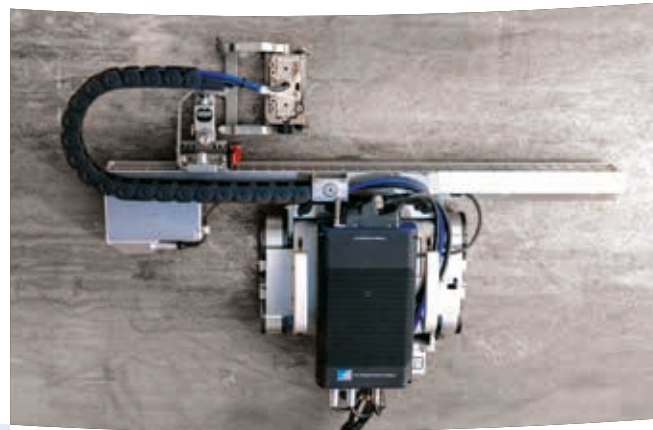
TPAC is a **committed and passionate** team of **experts spread** worldwide, speaking your language.

TPAC is **by your side** through each step of the way to create the **best solution**, connected with a **large partners network**.

**At TPAC, it's not just about technology,
it's a partnership for YOUR inspection success!**

Offering you the right solution is our mission at TPAC!

From the most standard to the most complex NDT Ultrasonic applications, we will build the most adapted offer based on your needs and your budget.



In all industries

-  Oil & gas
-  Robotics
-  Aerospace
-  Power generation
-  Heavy industries
-  Rail
-  Automotive

For all applications

- Weld inspection
- Corrosion mapping
- Composite
- Robotic integration
- Inline
- Research

Standard and advanced UT technologies

- Conventional Multi-channel
- Phased Array
- FMC/PWI/TFM
- PCI (Phase Coherence Imaging)
- Adaptive methods (ATFM/APWI)
- AWG
- Air coupled
- Ultra-high dynamic range

Our main hardware

More about our electronics



Pilot line

Multi-Channel

Pilot, Pilot Multi and Pilot+ are **powerful** and **unique** in their capacity to meet the most demanding needs of various industries from **aeronautics, in-line** as well as **TOFD** and many other applications.

From 8 to 64 channels

Pilot product line has an acquired dynamic up to **162 dB**.



Composite, Honeycomb, In-line



Explorer line

Phased Array & FMC/TFM, PWI, PCI (speed over 500mm/s)

The **most advanced** ultrasonic device on the market. Explorer gives you high-performance technology that fits right in the palm of your hand.

From 16 to 256 channels

Its compact design is perfect for mounting on scanners and handles extreme environments.



Weld Inspection, Scanners, Robots, Immersion Tanks, Corrosion mapping



Pioneer

All in one Phased Array & FMC/TFM

(including single element multi-channels)

Pioneer provides cutting-edge technology for any setting from **manufacturing, research** to **developing an application**. All in one and multi-technologies instrument : Multi-channel, PA, FMC/TFM, PWI...

From 64 to even beyond 1024 parallel channels.

It supports Linear, Matrix and Custom Arrays.

All come with Software suite, and a **High-level API** and **super high-speed** from 1 up to 16GB/s Data Throughput!



Manufacturing, Laboratory, R&D equipment



Our main software

More about our software portfolio



Prelude



Weld inspection and general purpose

Prelude offers the **best featured** and **easy-to-use weld inspection** with **TOFD** as well as **Phased Array**. However, Prelude offers much more by providing **Ultra-fast FMC/TFM/PWI/PCI** and many more.

Adaptive TFM processes embedded into **Prelude** in **real-time** even allow **on-bid** inspection.

Speeds up to 500 mm/s at 1mm step

Concerto



Thickness measurement and corrosion mapping

Concerto is a Wall-thickness multi-technology software. **Multi-channels, Phased Array, PWI**, and even **Adaptive PWI** provide the ability to adapt to any situation.

Speed up to 500 mm/s with **up to 1 m width** inspection at once is unmatched so far on the market. The ability to post-process all Ascan/Volume permits the best analysis securing the validity of the acquisition.

User-friendly solution, perfect for **corrosion** and **composite** inspection.



Aria



R&D, academia and laboratory

ARIA is the **most fully featured FMC/TFM** software on the market.

This **open-format** software can explore all TFM-based reconstruction technologies such as: SAFT, TFM, PWI, PCI and more, including **adaptive** and **non linear acoustics**



UNIQUE IN NDT

www.tpac-ndt.com

info@tpac-ndt.com



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DENMARK

Copenhagen

UK

London

ASIA

JAPAN

Tokyo, Osaka

CHINA

Beijing, Shanghai, Xi'an

SOUTH KOREA

Seoul

INDIA

Mumbai, Bangalore

TPAC Direct Presence!

Cities where full-time employees are based.