

# A Comprehensive Solution using the Terrestrial Laser Scanner



## From Small to Large-Scale Projects

The Terrestrial Scanner is a comprehensive solution designed for capturing precise 3D digital models, faster data sharing, and on-site efficiency.

# Fast, Accurate 3D Reality Capture.

At Scan-Xpress, we offer cutting-edge laser scanning solutions designed to boost productivity, save time and reduce the need for rework.

While in the field, our technology offers highly accurate 3D representations of any environment or object — even in extreme conditions — with real-time, pre-registered feedback through the included Stream App.

- ✔ Provides range of up to 200 metres
- ✔ Boosts field productivity by over 50%, significantly reducing the time spent on site.



## Where our Terrestrial Laser Scanner makes an impact.



### INDUSTRIAL FACILITY MANAGEMENT

Captures highly accurate 3D scans of buildings and equipment to map out modification planning.



### CONSTRUCTION QUALITY CONTROL

Acquires precise 3D scan data that verify as-built conditions against design models to detect deviations.



### SURVEYING & MAPPING

Obtains high-resolution 3D data which supports accurate topographic mapping, site analysis, and geospatial documentation.



### MINE SURVEYING

Secures exact data sets of tunnel and shafts for accurate volume calculations, stability analysis, and safer operational planning.



### PRODUCT DESIGN & ENGINEERING

Gain specific 3D measurements of existing components to support reverse engineering, design validation, and faster product development.



### PRODUCTION, FABRICATION, & ASSEMBLY

Verifies part alignment, ensures dimensional accuracy, and streamlines quality assurance processes.



## Your unique *requirements.* Our precision *solutions.*

Capturing approximately 23 million dense point clouds per scan, our laser scanning services are designed to meet your individual data acquisition challenges with accuracy and efficiency. Here's how we deliver exceptional results:



### High Precision

Precise scan data capture with exceptional accuracy, from small to large-scale projects.



### Rapid Setup

Our portable laser scanning solution allows fast setup and minimal downtime during data acquisition tasks.



### Real-Time Feedback

Resulting in efficient and more comprehensive scan data capture.



### Comprehensive Reporting

Capture scan data to create accurate, complete datasets for planning.



### On-Site or In-House

We offer flexible service options—our team can come to your facility or conduct data acquisition in our office.



### Expert Consultation

Our experienced metrologists provide expert consultation and support to optimise your data capture processes.



## Why choose Scan-Xpress for Terrestrial Laser Scanner Services?



### When precision matters, experience counts.

Established in 1997, Scan-Xpress brings vast years of expertise in 3D metrology, using industry leading scanners such as the **FARO Focus** to deliver high-accuracy scan data capture you can trust.

Here's why leading industries rely on us:

- ✔ **Expertise and Experience:** With three decades of experience, our skilled team brings extensive knowledge in 3D metrology ensuring that every project is executed with precision and attention to detail.
- ✔ **Fast Turnaround:** We deliver accurate and timely scan data reports, helping you keep your projects on schedule.
- ✔ **Customised Solutions:** Every project is unique. We tailor our services to meet the specific needs and standards of your industry.
- ✔ **Proven Track Record:** We have successfully worked with clients across industries such as aerospace, automotive, energy, shipbuilding, heavy engineering and more.



*"The FARO Focus is a complete, easy-to-use solution for reality capture professionals, with intuitive hardware and versatile software offerings."*

## Contact Scan-Xpress for a Free Consultation

Ready to improve your planning process with our laser scanning services? Contact us today for a consultation or to request a customised service quote.

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