

**FARO**<sup>®</sup>

# The FARO<sup>®</sup> Focus Swift Solution Guide

Mobility and Precision from a  
Single Scanning Solution



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# Scanning Large Spaces Takes Time

When you require accurate documentation of a large indoor facility, Laser Scanners are ideal for capturing precise dimensions. But there's one caveat – static scanning requires multiple setup locations in order to document all of the necessary information and details.

For this reason, it can be important to plan the scanner locations ahead of time, and to ensure there is sufficient coverage, so nothing is missed. Each scan location should be carefully considered: Is it in a high-traffic area? Can areas of interest be seen from there? Are there obstructions limiting visibility?

The bigger or more complex the site, the more scan locations are needed, which requires additional planning. This has an impact on equipment, personnel, and schedule.

What if there was a better way to digitally capture large facilities, especially ones with obstacles or high-traffic areas? A solution that combines the accuracy of your stationary Laser Scanner with the speed and maneuverability of a mobile device that offers the best of both worlds — with no loss of detail.



# Scanning Large Spaces Just Got 10x Faster

The Focus Swift works with FARO's best to make data-capture mobile and accurate.

## FARO Focus<sup>s</sup> Swift Laser Scanner

The Focus Swift can scan up to 1 million points per second while mobile and 2 million while stationary.

## FARO SCENE Software

Process stationary and mobile scan data in the same platform.

## FARO® ScanPlan™ 2D Handheld Mapper

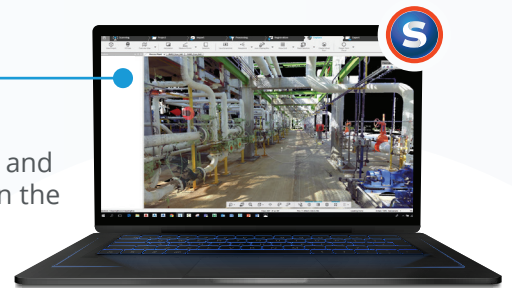
Mounted solution quickly captures and visualizes 2D floor plans for buildings, warehouses, factory floors and more.

## Portable Cart

Easily maneuver the Focus Swift through large spaces for faster, more detailed scans.

## Remote Access

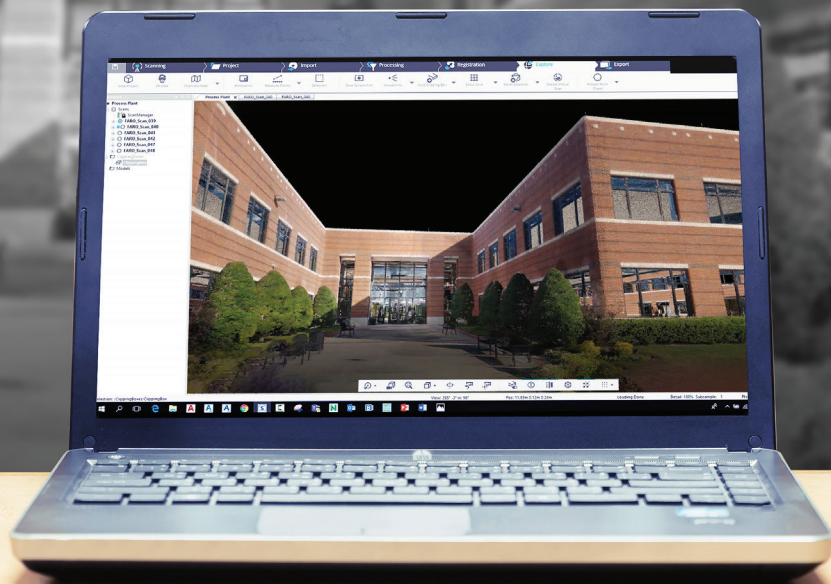
View, sync, and share scan data right from your smartphone.



# Why Choose the Focus Swift?

Give your team the edge in speed and accuracy with a state-of-the-art Focus Swift scanning system.

- ✓ **One Solution, Three Modes** – Combine the power of the FARO Focus<sup>S</sup> Laser Scanner, ScanPlan 2D Mapper, and FARO SCENE into one mobile scanning solution – or use the Focus and ScanPlan as standalone devices to suit your needs.
- ✓ **Travel-Friendly Design** – The Focus Swift has a collapsible tripod, foldable dolly and two carry-on size cases, making it easy to transport to the project.
- ✓ **Get Better Data Faster** – The Focus Swift allows you to stop in one place to capture high-resolution anchor scans in less than 20 seconds, giving you the fastest stationary scans available. It also integrates with the Ricoh Theta Z1 panoramic camera, allowing you to capture data in extraordinary color, making point cloud orientation even easier.
- ✓ **Reduced Processing** – Mobile scan data doesn't need to be registered like traditional stationary scans. Anchor scans are prepositioned using the mobile data, so they only require a quick registration refinement.



# Already Own a FARO Focus<sup>S</sup> Laser Scanner?

Your Focus<sup>S</sup> Laser Scanner already takes complete, survey-grade scans of large spaces like warehouses and building construction projects. Add the ScanPlan and Focus Swift dolly to harness the full power of your Focus<sup>S</sup> Laser Scanner, and suddenly a job that would have taken an hour with stationary scans can take less than 10 minutes.

The Focus Swift's design makes it easy to maneuver, with comfortable handles and operating with a simple push, capturing 1 million points per second while in motion. Stop to capture anchor and stationary scans at up to 2 million points per second for an even higher level of detail.

Point clouds captured with the Focus Swift are processed in FARO SCENE, the same software used for processing stationary scans, and can be used by other FARO software applications as well as various CAD systems with point cloud capabilities. Plus, SCENE's automated processing and anchor scan extraction provides a simplified workflow for generating point clouds.

The Focus Swift's performance level is unmatched and easy to learn, thanks to FARO's active user guidance. The solution enables your team to work more efficiently, and deliver better scan coverage while on-site.



**David Pratt**  
Regional VDC Manager  
Robins & Morton

"FARO has been a great support group for us. They offer us extra knowledge. They have been there for us from day one and they continuously offer us the support that we need to be successful utilizing scanners."

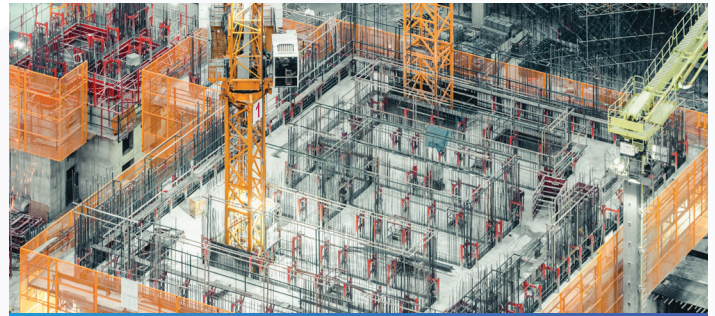
# The Focus Swift in Action

Learn how the FARO Focus Swift can improve your workflow.



## Facilities Management

Conduct scans before and after each change to your facility to ensure the documentation is accurate and up-to-date. Plan maintenance and renovations with greater confidence using this data.



## New Construction

Rapidly scan the building throughout the project to verify the accuracy of work in place, determine the amount of work completed to-date, and create 3D records of in-slab and in-wall locations.



## Renovation

Capture complete scans of the existing structures to create accurate and up-to-date documentation, ensuring that new designs are coordinated to fit within the space's constraints.



## Digital Twin

Capture accurate 3D documentation of offices, hospitals, warehouses or manufacturing facilities with different accuracies and quality, from a single system, based on the level of detail needed in specific areas.

# Technical Specifications

- Mobile scans of up to 1 million points per second, and stationary scans of up to 2 million.
- Provides 3D accuracy from 2mm to 10mm.
- Combines data collection modes of continuous mobile scan, fast anchor scans (5-15 seconds) and standard stationary scans.
- Weighs 17.5 kg (38.5 lbs) with two carry-on cases.
- Operates in temperatures as low as -10°C and can be stored in a temperature up to 60°C. Designed to operate in a temperature range between 5°C and 40°C.
- Two-hour internal battery life with option to extend using additional battery packs.
- Compatible with FARO As-Built™, BuildIT Construction Software, WebShare Cloud or any CAD system with 3D point cloud capabilities.





# Give Your Team the Focus Swift Advantage

- **Save with every survey scan.** The FARO Focus Swift captures complete data scans in **1/10th** the time of a conventional survey system. Intuitive and easily integrates with existing hardware and software.
- **Eliminate errors and delays that disrupt budgets and timelines.** Get complete, survey-grade spatial scans the first time, so that projects stay on track and according to plan.
- **Survey-grade capability in-house.** The Focus Swift makes 3D scanning easier to integrate than ever before. Why not have survey-grade Quality Assurance capacity in-house?



**Ready to capture larger, more complex spaces with an all-in-one Laser Scanning solution?**

Schedule a demo now to see the **Focus Swift** in action.

Visit [faro.com/swift/](https://www.faro.com/swift/) to learn more.  
Or call us toll free at +1 (800) 736-0234



Local offices in over 25 countries around the world. Go to [www.faro.com](https://www.faro.com) to learn more.

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