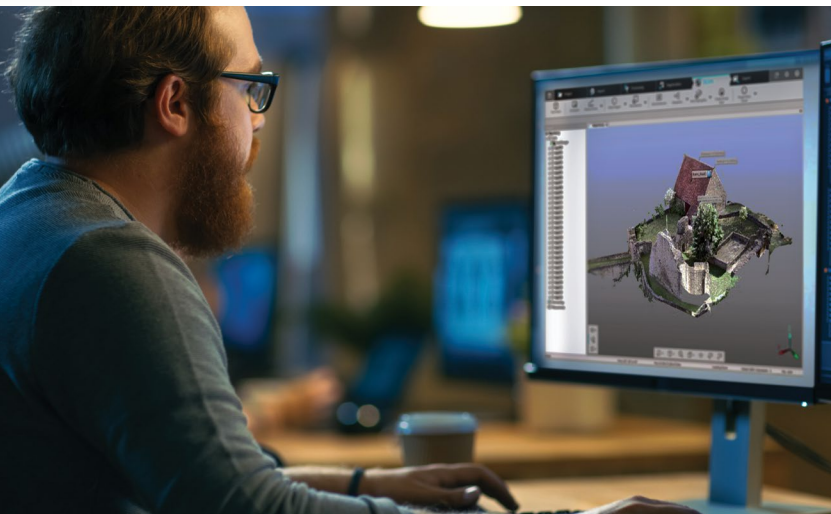




FILMED ENTERTAINMENT

Spotlight on Connecting the Physical World to the Virtual World

The connection between the physical world and virtual world just became more defined. The exploding world of filmed entertainment production increasingly demands the highest standards in creativity, design and realism. FARO® delivers the most accurate and portable 3D technology to help streamline 3D pipelines and workflows for improved production efficiency.



Higher standards in creativity,
design and realism are in demand.

Are you ready?

Key Benefits

- Increase set construction accuracy by eliminating the mismatches between the physical and virtual world
- Project CAD-designed set coordinates into the real world for exact match between digital and physical elements
- Significantly reduce previsualization costs and schedule overruns with accurate scanning and measurement
- Quickly create copies of props and vehicles for visual and special effects construction
- Reduce set design and construction time
- Seamlessly integrate with most content creation tools, CAD systems and design software
- Maximize efficiency and accuracy at every step of production

3D DESIGN
Digital Creation





Where does FARO fit in to the Production Process?

PRE-PRODUCTION

Planning & Design

- Challenges
 - Short schedules, tight deadlines and strict budgets demand efficient preparation and use of resources.
 - Choices made in Pre-Production resonate throughout entire project, especially VFX.
 - Precision and accuracy of design elements are critical for successful integration of live action and virtual elements.
- FARO Solutions
 - FARO Vantage Tracker increases accuracy of design elements by laying-out CAD model coordinates in the real world to guide set construction.
 - FARO Tracer Laser Projector provides Art Department and Construction personnel real-time virtual templates of sets and props to quickly and accurately construct elements and align props.
 - FARO ScanArm, equipped with PRIZM™ color scanning technology, delivers accurate color 3D models of props, miniatures, models and vehicles for fabrication and integration into VFX pipelines.
 - FARO Focus Laser Scanners enable fast and accurate scans of real world sets and locations for as-built surveys, prop construction and shot planning.

PRODUCTION

Execution

- Challenges
 - Fast paced, very expensive and time sensitive.
 - Necessity to accurately model real-world sets and locations in 3D for integration of live-action cinematography and visual effects elements.
- FARO Solutions
 - FARO solutions provide accurate measurement of sets, props, vehicles and locations for seamless integration of the physical and virtual worlds.
 - Increase accuracy when connecting the real world to the virtual world with FARO's state of the art laser scanners, laser projectors and tracker solutions.

POST PRODUCTION

Editing, Compositing & Visual Effects

- Challenges
 - Visual Effects are expensive and time consuming. VFX represents a substantial portion of modern budgets.
 - Schedules are unyielding and demand utmost efficiency.
 - Budgets are tightly controlled and must be maximized at every step of the Post Production Process.
- FARO Solutions
 - FARO Laser Trackers and FARO Laser Projectors provide ideal tools for digitizing VFX elements.
 - FARO ScanArm offers accurate method to digitize props, miniatures and vehicles for integration into VFX pipeline.
 - FARO tools deliver increased efficiency at all levels of production to ensure project completion on-time and on-budget.



FARO 8-AXIS DESIGN SCANARM 2.5C
Measure specialty props and set components



FARO FOCUS LASER SCANNER
Survey locations for replication



FARO VANTAGE LASER TRACKER
Project CAD reframe points of a set onto an empty sound stage



FARO TRACER LASER PROJECTOR
Projects digital lines and shapes onto physical environments



FARO SCENE SOFTWARE
Software for accurate scanning and measurement of real world sets and locations

Plus, FARO products support numerous 3rd party data capture/design software and content creation tools.



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Interested in learning more about FARO solutions and how they can streamline your production development and keep you within budget?

Request a **FREE** product demo at 3ddesign.faro.com/contact-us

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