The power to do more, on your terms

Each project requires the right tools—whether you're delivering scan data of as-built conditions, performing comprehensive floor flatness analysis, or creating a model based on an existing structure. Trimble X9 3D scanning solutions will help you to meet these challenges and quickly capture, analyze, model and produce precise deliverables.

Trimble X9 Core

For those who need results, fast

Construction moves fast, and you need to move even faster to stay ahead. Perfect for providing in-field insights and driving construction forward, the Trimble X9 Core solution delivers in every moment. Whether you're making sure your concrete is flat and level before it even dries, or needing to guarantee the quality of your prefabricated components, the Trimble X9 Core empowers you to capture quality information in seconds, especially when they matter most.

Trimble X9 Premium

If you want to be right, before you have to be right

Every project has its own unique demands and the Trimble X9 Premium is engineered to rise to the challenge every time. Built to measure farther, faster, and finer, the X9 Premium is a scanning powerhouse, helping you capture large areas in a single setup, never missing a detail. Purposely designed for any conditions your site can throw at it, the X9 Premium helps you guarantee you've got it right, before you need to be right.

Find the **right solution for you**

CORE	**500 k** pts/s	**0.6 m–80 m** range	In-field registration FieldLink Powerful field software with in-field analysis tools
PREMIUM	**1 M** pts/s	**0.6 m–150 m** range	Auto calibration

Trimble®

APPLICATION OVERVIEW

Trimble Laser Scanning

3D SCANNING APPLICATIONS FOR BUILDING CONSTRUCTION

Scanning solutions for building construction

Crafted specifically for the demands of the job site, the Trimble® X9 3D laser scanning platform, powered by Trimble FieldLink software, stands out as the go-to tool for the construction industry. Designed to align seamlessly with the way things really work on-site, the X9 brings an unprecedented level of accuracy, efficiency, and insight to your everyday tasks.

Whether you're capturing highly detailed as-builts, ensuring what was built matches design or confirming the quality of a concrete pour before it has a chance to dry, the X9 and FieldLink offer a user-friendly experience that helps you get accurate, reliable results the first time, every time.

Trimble RealWorks™ 3D scanning office software provides focused tools for registration, analysis, and design to help you produce quality deliverables and share insights across a variety of stakeholders.

With Trimble, you get dependable instruments, construction-ready workflows and office software that can help take the guesswork out of your projects.

Find out more at:
fieldtech.trimble.com

Trimble®

Scan-to-BIM

Easily capture real site conditions with unparalleled detail and precision to help drive reliable designs and validate work completed to-date. Use the Trimble X9 3D laser scanner and FieldLink to:

- Document existing structures to drive accurate design for retrofit projects.
- Capture as-built conditions and automatically align data to existing designs in the field to verify work completed.
- Share clear, visual updates of job site status and provide context with stakeholders.

In-field model comparison and clash detection

FieldLink, Trimble's specialized construction field software, instantly transforms data into actionable insights with in-field inspection and model comparison tools.

- Compare scans directly to BIM data in the field to assess the quality of ongoing construction, and export those inspections to easily share with stakeholders.
- Identify discrepancies between reality and design and take action immediately.
- Detect clashes with precise, in-field analytics to get ahead of delays and prevent costly rework.

Accurate quality control

The Trimble X9 3D laser scanner revolutionizes construction quality control by capturing millions of data points with high precision, revealing intricate details across the entire job site. This accurate data enables thorough inspections against project specifications.

- Increase communication and data-driven decision making by leveraging accurate point clouds directly in the field.
- Use accurate data to deliver solutions instead of arguments by comparing the point cloud to the design live in the field.
- Protect yourself against constantly changing project scopes by instantaneously collecting entire areas instead of simple spot checks.

Fast and reliable floor analysis

The Trimble X9's capability to quickly capture data, even on reflective surfaces like wet concrete, allows for detailed inspections of flat surfaces like floors.

- Rapidly assess floor flatness and levelness directly in the field before concrete ever dries.
- Easily identify high spots and low spots in flat surfaces and use the X9's laser pointer to easily coordinate adjustments in the field.
- Capture highly reflective surfaces so you can always be confident in the quality of work onsite.

Prefabrication verification

Easily and reliably confirm the quality of prefabricated components prior to transporting them to the job site to ensure construction can move ahead smoothly, avoiding delays and cost overrun due to rework.

- Have confidence in the quality of your work by comparing your scan directly to the BIM model and identifying any deviations before you ship to site.
- Make specification checks simple and efficient by measuring directly from the captured as-built conditions right in the shop.
- Make your prefabrication process safer by removing manual work during the measurement and validation process and keep workers at a safer distance from hot work.

With Trimble, you get laser scanning solutions you can apply to a vast range of applications to capture complex real-world data with the confidence of getting it right the first time.

Find out more at:
fieldtech.trimble.com