

Trimble Unveils ST30 Smart Target for Optical Surveying to Enable Unparalleled Accuracy, Productivity and Integrated GNSS Capabilities

New surveying system represents leap forward in field technology to maximize daily output and solve common challenges with confidence

MUNICH and WESTMINSTER, Colo., Sept. 15, 2026 —

Trimble today announced the launch of the Trimble® ST30 smart target, a new-generation surveying system. This system breaks new ground by integrating optical and subscription-based GNSS functionality into a single smart target solution. Setting a new standard for traceability, redundancy, versatility and safety, the ST30 introduces key innovations, including tilt compensation and automatic rod height measurements. It is the first smart target on the market to offer fully integrated, high-accuracy GNSS functionality, giving surveyors a dual-use tool for both optical and GNSS applications to help make surveying more efficient and safer than ever before.

The Trimble ST30 smart target will be showcased during INTERGEO 2026, Sept. 15-17, 2026, in Munich, Germany, at the Trimble booth in Hall B6.



The ST30 is designed for a wide variety of surveying and construction tasks, including topographic surveys, stakeout, as-built verification and cadastral work. It integrates with Trimble's field, office and cloud software solutions to provide trustworthy and traceable accuracy and to enhance the integrity of collected data. These integrations include the Trimble S-, RTS- or SPS-series of robotic total stations, Trimble Access, Trimble Siteworks, Trimble FieldLink field software, Trimble Business Center office software and Trimble Connect® common data environment.

"The Trimble ST30 smart target enhances what's possible from a surveying system. It delivers a transformative field experience by ensuring uninterrupted productivity and accuracy with robust, reliable total station tracking," said Boris Skopljak, senior vice president, geospatial at Trimble. "With optical and GNSS tilt compensation, automated rod height and integrated GNSS, users can reduce costly errors and work safely more hard-to-access areas."

The ST30 smart target features an integrated design that unifies the 360-degree prism, IMU, GNSS receiver and automated rod height functionality into a single device. Constructed with ultra-rugged magnesium and aluminum, a protective top bumper and shielded LEDs, it is engineered for resilience against the daily rigors of challenging job sites, including wet conditions. Features include:

- **Fully adjustable rod height** — Automatic rod height measurements minimize errors from forgetting to change the rod height, guarantee accuracy and removing a significant source of rework.
- **Prism accuracy** — The highly accurate 360-degree prism delivers confidence in measurement results, enabling the millimeter-level precision required to expand optical workflows into additional tight-tolerance applications.
- **Tilt compensation** — By eliminating the need to constantly watch a level bubble, tilt compensation keeps operators focused on the task hand and aware of active jobsite hazards. Because this capability applies to both total station and GNSS measurements to accelerate topographic and stakeout workflows, operators can safely measure hard-to-access points with a tilted pole while reducing instrument set and avoiding manual offset calculations.
- **Active tracking and target ID** — A new patented technology, the smart target's comprehensive three-pillar tracking system maintains a continuous lock on the target in challenging environments. Enhanced active tracking prevents false locks from reflective surfaces, target ensures the total station only follows the assigned target, and Trimble GeoLock GNSS-assisted technology quickly regains lost lock.
- **Integrated GNSS** — Available as a separate subscription beginning in 2027, high-accuracy GNSS brings integrated survey workflows to every station setup, reducing fieldwork complexity by streamlining site calibration and set up of control while also allowing users to work beyond the constraints of optical line-of-sight.

"The ST30's rugged design and automated features increase confidence on the job and reduce the potential for human error, which is particularly beneficial for an industry facing increased complexity, shorter deadlines and tighter tolerances," said Scott Crozier, senior vice president, civil construction at Trimble.

Availability

The Trimble ST30 smart target will be available to order through Trimble's global network of dealers in Q4 2026. Users may also purchase a Trimble Protected Plus+ hardware protection plan to provide additional coverage against wear and tear, environmental damage and more.

To learn more, visit <https://discover.trimble.com/Trimble-ST30>.

About Trimble

Trimble is a global technology company that connects the physical and digital worlds, transforming the ways work gets done. With relentless

innovation in precise positioning, modeling and data analytics, Trimble enables essential industries including construction, geospatial and transportation. Whether it's helping customers build and maintain infrastructure, design and construct buildings, optimize global supply chains or map the world, Trimble is at the forefront, driving productivity and progress. For more information about Trimble, visit: www.trimble.com.

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For further information: Media Contact: pr@trimble.com

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