

# SX10 Scanning Total Station



## MERGE ALL OF THE GEOSPATIAL SKILLSETS IN YOUR WORKFLOW

The Trimble SX10 is the world's first scanning total station that truly merges high-speed 3D scanning, enhanced Trimble VISION imaging and high-accuracy total station measurements in a single instrument.

Designed from the ground up to provide maximum accuracy, efficiency and detail, this scanning total station features Trimble's trusted MagDrive™ and Autolock® technologies for industry-leading durability and reliability. And the SX10's powerful new Lightning 3DM has the capabilities you need to handle any survey project.

### Boost productivity, save money and get greater versatility

The Trimble SX10 captures rich point cloud data at 26,600 Hz and at a range of up to 600 m.

When you get back to the office, the scans register automatically, so you spend less time preparing data and

more time creating results. And, since Trimble Access and Trimble Business Center allow operation of the SX10 within familiar survey workflows, there's no need for specialized training, dedicated 3D scanners and personnel.

The Trimble SX10 delivers reduced costs and greater versatility to expand to new applications, all with a single investment.

### A foundation of superior 3D scanning

At the heart of the Trimble SX10 are fully integrated 3D scanning capabilities. Trimble's Lightning technology allows the Trimble SX10 to measure dense 3D scan data at high speeds while maintaining high precision over the full measurement range.

You can choose your level of scan density, based on your project. Since registration is automatic, the data you gather drops right into your survey coordinate system.



### Key features of SX10 Total Station:



The Trimble SX10 Scanning Total Station enables familiar, easy and efficient survey workflows, from the field to the office. Here's how:

- ▶ Combines surveying, imaging and high speed 3D scanning in one revolutionary Scanning Total Station
- ▶ The new Lightning 3DM combines high accuracy survey measurements with high speed scanning
- ▶ Utilizes Trimble Lightning Scanning technology to scan up to 26,600 points per second—captures a full dome scan in as little as 12 minutes
- ▶ Boosts precision, versatility, and efficiency with improved VISION technology. Allows users to manage total station, imaging and 3D scan data efficiently using Trimble Business Center software, making it easy to create results
- ▶ Offers an industry-leading 3D scan range of 600 m while also boasting the smallest spot size in the industry—a mere 14 mm at 100 m
- ▶ Provides a horizontal 360° x vertical 300° field of view with scanning and imaging to cover your entire setup

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## ADVANCED VISION TECHNOLOGY THAT HELPS YOU DELIVER SUPERIOR RESULTS

The VISION technology onboard the Trimble SX10 makes it easy to direct surveys via live video on the controller.

VISION offers varying levels of imaging capabilities and resolutions, so you can collect just the right amount of data to fit your needs, whether you're documenting your site or capturing additional visual detail on your DR observations.

Back in the office, Trimble VISION data gives you the option of making additional measurements or delivering 360-degree panoramas.

### Unparalleled Precision That's the Trimble SX10

The Trimble SX10 Scanning Total Station sets a new standard for accuracy, capability and performance. Whether you're performing a typical job or your most challenging survey projects, the SX10 delivers the confidence to do it all and do it well.

## FAMILIAR TRIMBLE ACCESS AND TRIMBLE BUSINESS CENTER WORKFLOWS

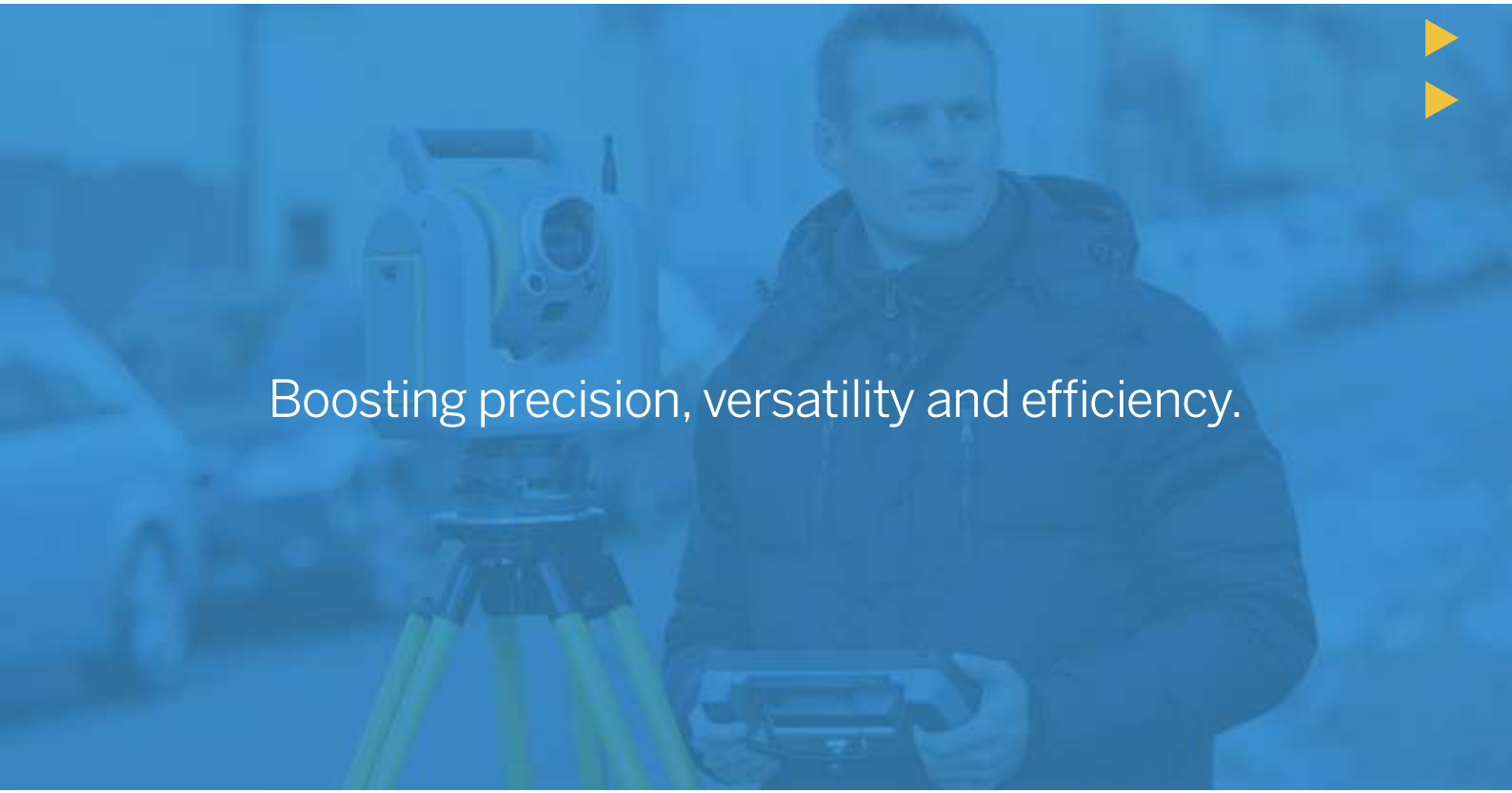
Combined with Trimble Access software, the SX10 efficiently and reliably collects the most complete dataset from the field. While in the field, it allows you to:

- ▶ Measure the desired level of detail
- ▶ Integrated scanning workflows
- ▶ Efficient data management

In the office, Trimble Business Center seamlessly integrates your project data and provides a virtual surveying environment enabling:

- ▶ Efficient 2D and 3D topographic and façade map creation
- ▶ Earthwork, volumetric and corridor workflows
- ▶ Quickly measure any forgotten or complex field information





Boosting precision, versatility and efficiency.



## SX10 Applications

- ▶ Topographic Survey/General Survey
- ▶ Roadway/Corridor Survey
- ▶ Volumetric Survey
- ▶ Infrastructure As-Built
- ▶ Building As-Built
- ▶ Utility Design Survey
- ▶ Power Line Inspection/Clearance
- ▶ Forensics
- ▶ Mine/Quarry Survey
- ▶ Tank Calibration/Inspection
- ▶ Dimensional Control