

## KEY FEATURES

Trimble's latest total station platform with flexibility for even more applications

Broader business opportunities with complete system support for specialized engineering tasks such as monitoring

MagDrive technology for maximum speed and efficiency

MultiTrack™ technology offers the choice between passive and active tracking

Trimble eProtect™ security feature locks total station from unauthorized users



The Trimble® S8 Total Station is Trimble's most advanced total station. Designed to deliver unsurpassed performance in both surveying and specialized engineering applications, the Trimble S8 offers 1" angular accuracy and EDM precision of 1 mm + 1 ppm, plus numerous features to enhance efficiency and productivity.

### THE MOST ADVANCED TOTAL STATION PLATFORM

The Trimble S8 instrument is built on Trimble's latest total station platform. Whatever your application in surveying or specialized engineering, you can benefit from the latest optical technology to increase your productivity.

For instance, Trimble® MagDrive™ servo technology ensures the Trimble S8 is fast and silent, so you can survey or monitor (unobtrusively) targets up to 40% faster than conventional motorized total stations, detect movements faster, and initiate alarms earlier. Wear and tear is also greatly reduced due to the MagDrive frictionless motion, making worry-free 24/7 operation possible.

### A COMPLETE SYSTEM FOR ENGINEERING APPLICATIONS

The Trimble S8 Total Station works in harmony with Trimble Survey Controller™ field software and the new Trimble® 4D Control software to provide a seamlessly connected, complete solution for specialized applications.

### Trimble S8 Total Station

The Trimble S8 is equipped with unique features such as:

- Trimble® FineLock technology is a smart tracker sensor with a narrow field of view that enables the Trimble S8 to detect a target without interference from surrounding prisms. This feature makes the mounting of prisms more flexible, and offers outstanding and reliable accuracy.
- 10 Hz high-speed synchronized data output makes data collection in dynamic applications faster and more accurate. For example, for railway monitoring a trolley or ATV can move more quickly without compromising accuracy.

### Trimble Survey Controller Field Software – Engineering Module

Trimble Survey Controller software now offers a separate Engineering module. Because this Trimble engineering solution uses the Trimble Survey Controller interface, it's easy for surveying businesses to broaden their offering to engineering applications—crews don't need to learn new software.

### Trimble 4D Control Software

Trimble 4D Control is postprocessing software designed for engineering applications, including monitoring. It reads rounds from Trimble Survey Controller in the JobXML format as individual sessions, and indicates any movement of targets over time. Results in the highly visual interface are easy to analyze, and the software is customizable to provide features such as target movement warnings and alarms.

### INTEGRATED SURVEYING

Whatever your application, the Trimble S8 Total Station offers the full Trimble® Integrated Surveying™ solution.

For engineering applications, data flow from the field to the Trimble 4D Control software is seamless, and the display of results fast as a result. When not in use for engineering applications, the Trimble S8 Total Station integrates into the Trimble solution for more typical surveying applications. For example, its optical data can be combined with GPS and 3D scanning data, or it can be used as a Trimble® I.S. Rover.

The flexibility of the Trimble S8 secures your investment and ensures a fast return on investment.

