



VERTICAL CONSTRUCTION

LAYOUT SOLUTIONS



For All User Types

We understand that solutions are not one-size-fits-all, that's why our team has developed products that work for all types of BIM and Vertical Construction users. Whether you are a first-timer or experienced robotic total station guru – we can help.

End to End Topcon Workflow

MAGNET® is positioning software that puts you in control. This easy-to-use software suite comes with a cloud connected service increasing connectivity between the field and office.



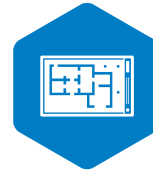
MAGNET Layout

It starts in the office. Easily import industry CAD and PDF files and quickly create your points for digital layout. If you are making the switch from traditional layout to digital layout, MAGNET Layout is your solution for productive layout file preparation.



MAGNET Enterprise

Once your job is ready to hit the field, simply upload to MAGNET Enterprise cloud service – no more data transfer hassles! Access the project via the cloud or with MAGNET Field Layout directly on the data collector. MAGNET Enterprise also sync's directly with Autodesk BIM 360 to access the latest plans.



MAGNET Field Layout

Your field crews will be up and running quickly with this purpose-built software for fast and simple field layout. MAGNET Field Layout will increase your efficiency whether you start your workflow from paper plans, PDF's, or fully coordinated BIM models.

Integrated Workflows

Together with Autodesk®, we deliver integrated solutions that improve productivity, efficiency, and profitability. The Autodesk Point Layout plug-in works within AutoCAD, Revit, and Navisworks to create digital layout files for use with Topcon robotic total stations. This tried-and-tested integration sets you up with a fully compatible workflow sent from your office software to the job site with MAGNET Enterprise.



Seamlessly Connecting the Office and the Field.



Digital Layout Solutions

Having the right equipment in the field makes all the difference. Stay connected, productive, and in control with the FC-5000 field computer and MAGNET Field Layout.

FC-5000 Field Computer

Bring office-level processing speed directly to your project site. This compact and rugged handheld device offers a crisp display even in bright sunlight conditions.

- Sunlight-readable 7 in. display
- Intel® Atom Z3745 processor
- Windows® 10 operating system
- 8MP rear camera, 2MP front camera
- Integrated 4G LTE cellular module (standard on all vertical kits)
- Up to 15 hours of operating time (5 hours internal)

MAGNET Field Layout

This intuitive software is tailor-made for vertical construction contractors of all trades. Import a design file and get to work fast! Layout plans can be also be created in the field - all while staying in sync with the office.

- Minimize learning curve with easy-to-use software
- Same software for all Topcon robotic total stations
- Go Hybrid – tie in GPS system directly to your robotic total stations
- On-screen point-creation
- As-built capabilities



Positioning Equipment

GT Series Robotic Total Station

Experience performance like you've never seen before. The GT Series robotic total stations are light-weight, high-performance solutions to fulfill your short and long-range measuring needs.

- UltraSonic motors
- 30% smaller and lighter
- TSshield™ global service
- UltraTrac technology
- Three-year instrument warranty
- Five-year UltraSonic motor warranty

RC-5 Remote Control

The RC-5's essential Quick Lock feature is powered by a LongLink™ connection and saves you time by simplifying prism reacquisition with your GT total station.

- 300 m Quick Lock
- 600 m LongLink™ connection
- 40 hour Li-ion battery
- Waterproof IP55

LN-100 Layout Navigator

Built for the layout application, the LN-100 is a self-leveling instrument that sets up quickly and can be easily operated by one person. Pair it with your choice of software including MAGNET Field Layout or MAGNET Construct.

- Single-operator solution for precise 3D layout
- Easy one-button self-leveling setup
- Wireless or LongLink™ communication
- Construct app on any Android or iOS device



Vertical Construction Kits

Complete with all parts and accessories needed to get the job done.

- Robotic total station
- FC-5000 field computer
- RC control (for GT only)
- RC handle (for GT only)
- 360° prism
- Tripod, bipod, and tripod stabilizer
- 8 ft. carbon fiber rod
- 2.7 - 5.1 ft. rod

Vertical Construction Kits:

1015959-01 GT-502 with Accessory Kit, BIM
 1015960-01 GT-503 with Accessory Kit, BIM
 1015961-01 GT-505 with Accessory Kit, BIM

1015944-01 GT-1001 with Accessory Kit, BIM
 1015957-01 GT-1002 with Accessory Kit, BIM
 1015958-01 GT-1003 with Accessory Kit, BIM
 1014168-01 LN-100W with Accessory Kit, BIM



For more information:
topconpositioning.com/vertical

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