

## Topcon at World of Concrete 2024

Topcon Positioning Systems is an industry-leading designer, manufacturer and distributor of precision measurement and workflow solutions for the global construction and geospatial markets. Topcon has a mission to provide superior end-to-end business solutions by integrating high-precision measurement technology, software, and data. Its vision is to improve productivity and workflow to meet the global demand for sustainable infrastructure. Topcon provides construction, surveying and engineering professionals with the advantages and know-how to be at the forefront of technological innovation to maximize efficiency. At World of Concrete 2024, Topcon will showcase the latest technologies for concrete paving, 3D lasers for building construction, surveying tools for measurement, stakeout, and monitoring, machine control solutions for compact equipment as well as the Aptix Integration Platform.

### Information:

#### **Aptix**

Aptix is an integration-platform-as-a-service (iPaaS) that seamlessly integrates Topcon solutions with multiple third-party applications to automate and orchestrate data connections between the office and job site. It streamlines processes and generates insights for construction teams within one platform, ensuring the as-built is as-planned and the project meets profitability goals.

<https://www.topconpositioning.com/solutions/technology/infrastructure-software-and-services/aptix>

#### **Building Construction**

Topcon building construction solutions provide contractors with digital workflow and productivity options. Topcon offers easy-to-use field and office software that allows for the use of robotic total stations and 3D laser scanners to streamline the layout and data capture process. This allows contractors to perform layout more quickly, prefabricate and install components, pre-pour, reduce rework, and maximize profits. [https://www.topconpositioning.com/solutions/infrastructure/building-construction?product=&\\_page=1](https://www.topconpositioning.com/solutions/infrastructure/building-construction?product=&_page=1)

#### **Concrete Paving**

Topcon concrete paving solutions are designed to increase the precision and efficiency of curbers, concrete pavers, concrete screeds and other heavy equipment. Global Navigation Satellite Systems (GNSS), laser-based systems and robotics support the applications and environments in which concrete contractors work. These solutions simplify workflows and increase machine productivity.

[https://www.topconpositioning.com/solutions/infrastructure/concrete-paving?product=&\\_page=1](https://www.topconpositioning.com/solutions/infrastructure/concrete-paving?product=&_page=1)

#### **For Curb & Gutter machines**

Topcon curb and gutter solutions lay down clear boundaries without stakes and string lines. Users can choose from GNSS, laser-based, robotics systems, or a combination designed to support the ways and environments in which they work.

<https://www.topconpositioning.com/solutions/infrastructure/concrete-paving/curb-and-gutter-machines>

## Earthmoving

Topcon offers a wide range of earthmoving solutions providing speed and productivity gains for nearly every application on the modern job site. Whether it is grading, excavation, hauling, general site work, site management, or remote maintenance and diagnostics tools, Topcon offers some of the most advanced machine control, telematics, and digital workflow systems available today.

[https://www.topconpositioning.com/solutions/infrastructure/earthmoving?product=&\\_page=1](https://www.topconpositioning.com/solutions/infrastructure/earthmoving?product=&_page=1)

### For compact machines

**MC-Mobile** is modular, quick to learn and easy to use. It uses one interface to improve resource management and equip operators to do jobs that previously required three people – surveyors, equipment operators and grade checkers. There are MC-Mobile solutions for many makes and models of mini-excavators, compact track loaders and skid steer loaders.

<https://www.topconpositioning.com/solutions/technology/infrastructure-products/mc-mobile>

Additionally, **2D-MC** machine control for compact track loaders and skid steer loaders is designed to increase the output of compact equipment.

<https://www.topconpositioning.com/solutions/technology/infrastructure-products/2d-mc>

## GNSS Receivers

Topcon GNSS receivers are relied upon for machine control, surveying, and layout. Rugged and easy-to-use, Topcon receivers are available in a wide range of capabilities that can accommodate contractor needs.

<https://www.topconpositioning.com/solutions/technology/infrastructure-products/gnss-bases-and-rovers>

### GNSS Correction Services

Topnet Live is a global GNSS correction service that delivers positioning data to surveyors and construction teams whose projects use satellite positioning. Roving surveyors and construction workers, along with heavy construction equipment with satellite navigation systems, use this service for high-accuracy applications such as field surveys, jobsite layout, earthworks, paving, and as-built reporting.

<https://www.topconpositioning.com/solutions/technology/infrastructure-software-and-services/gnss-correction-services>

## Robotic Total Stations

Robotic total stations help measure distances and angles for a variety of projects, such as construction, mapping, engineering, and land surveying. In addition to measuring, these versatile instruments can also interact with machine control platforms to provide precision 3D operation, even when satellite signals are not an option.

<https://www.topconpositioning.com/solutions/technology/infrastructure-products/robotic-total-stations>

## Rotary Lasers

Topcon offers professional-grade rotary lasers. Whether the scope of work is for concrete, earthwork, utilities or flatwork, Topcon lasers are simple and reliable production tools that provide repeatability and reduce the need for rework.

<https://www.topconpositioning.com/solutions/technology/infrastructure-products/rotary-lasers>

## Surveying Solutions

Topcon provides a broad range of equipment to be used for land surveying, including robotic total stations that provide precise repeatability in a variety of environments. The Company also offers GNSS receivers that can be used when there is an open view of the sky. There is also the capability to combine both technologies to create a hybrid positioning solution that gets the most out of both optical and GNSS products. <https://www.topconpositioning.com/solutions/infrastructure/surveying>

## Hybrid Technology

Hybrid Positioning is a combination GNSS positioning and optical robotic measurement system.

<https://www.topconpositioning.com/solutions/technology/infrastructure-products/hybrid-positioning>

## Links

[topconpositioning.com](https://www.topconpositioning.com), [LinkedIn](#), [Twitter](#), [Facebook](#), [Instagram](#)

[Sustainability](#)

## Videos

[Topcon YouTube Channel](#)

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