Trimble Roadworks

Paving Control Platform for Asphalt Pavers

Trimble

Transforming the way the world works.

80% of construction jobs run into overtime...

Achieve Undertime

Ask for the next generation of machine control. From the company that invented machine control.

The **Trimble® Roadworks Paving Control Platform** for asphalt pavers is designed to help you do more in less time. Our innovative, next-generation paving control platform features intuitive, easy-to-learn software that runs on an Android™ operating system. State-of-the-art software and hardware give operators of all skill levels the ability to work faster and more productively than ever before.

Ideal for projects that require meeting a thickness or elevation specification, Trimble Roadworks is a non-contact paving control platform that gives you greater flexibility and more control over the mat. Speed up your paving production while laying a smoother surface and reducing material costs.

Trimble Roadworks helps paving contractors achieve excellent rideability results and finish projects on time and budget.

INTUITIVE SOFTWARE, RUGGED HARDWARE

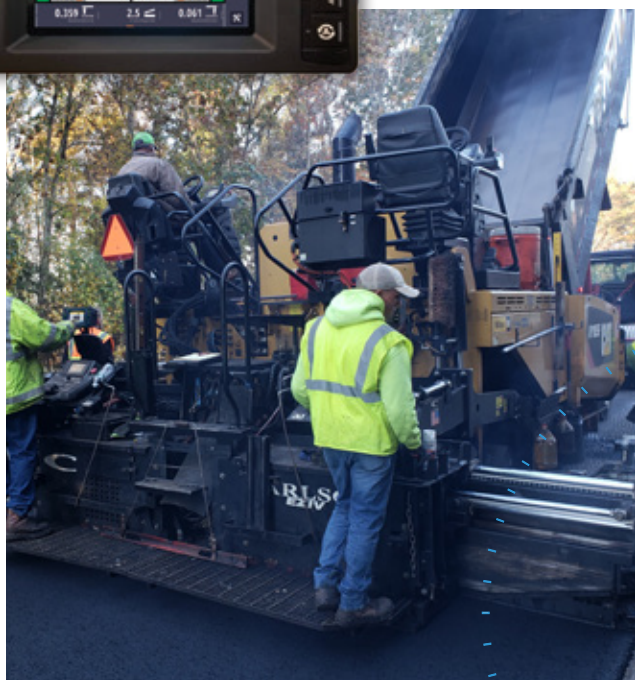
The Trimble Roadworks Software runs on the 10-inch (25.4 cm) Trimble TD520 display for 3D applications, or the 7-inch (17.8 cm) Trimble TD510 display with tactile keypads for 2D applications. Colorful graphics, natural interactions and gestures, and self-discovery features make Trimble Roadworks intuitive and easy to learn.

Trimble Roadworks features a large display and an easy-to-understand layout for controlling cross slope and material thickness. Configurable views allow you to control and monitor the left and right side of the screed with just one operator, and make it easier to see the right perspective for maximum productivity. With the Android operating system, users can also download other applications that provide the operator with additional useful tools.

PRODUCTIVE AND PRECISE PAVING

- Achieve smoothness and accuracy up to the finished surface
- Minimize the use of expensive material by paving within a tighter tolerance and getting closer to the minimal asphalt thickness specification early in the process
- Improved sensor mobility to easily swap sensors based on application, such as cross-slope to joint matching configurations
- Monitor the measured and target values of the cross slope and mat thickness simultaneously
- Rugged and durable components for tough construction conditions, rated to protect against dust and water
- Reduce labor costs by controlling the screed with one operator
- Increase efficiency by eliminating the need to pick up the mechanical averaging beam when going over hot asphalt, storm drains or other obstructions
- In 2D applications, contractors can easily change sensor values and operate the system in the field with the combined touch-screen display and tactile keypads
- In 3D applications, eliminate any complications involving stringlines: human error, costly setup, maneuvering hazards, etc.

The Trimble Roadworks 2D display features tactile keypads for use in the field



OFFICE TO FIELD CONNECTIVITY

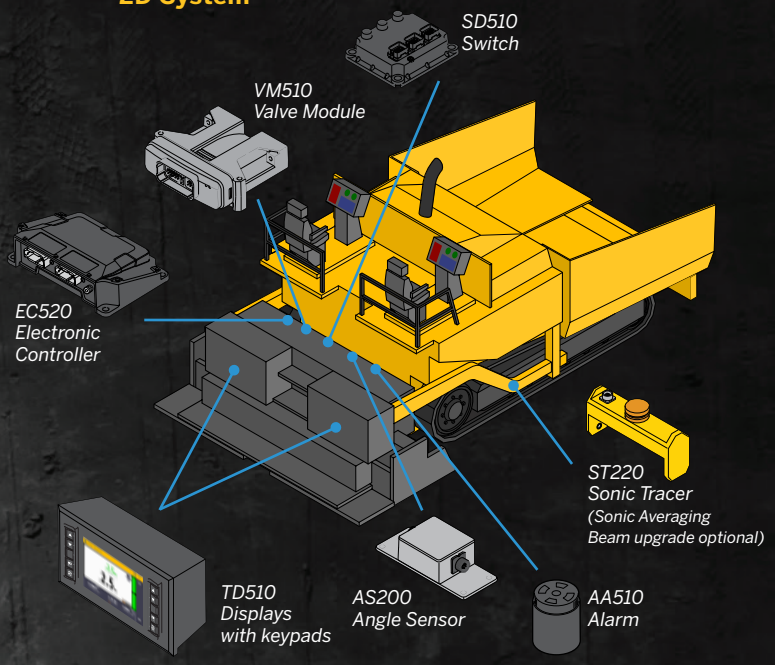
Reduce waste and overruns with efficient communication and data transfer with Trimble WorksManager—mobile-friendly software that easily manages data and technology assets across jobsites.

With the Trimble SNM941 Connected Site® Gateway, transfer 3D designs from the office to the machine wirelessly and automatically so that the operator is always using the latest design. Productivity data collected from the machine can automatically sync back to the office.

Trimble WorksManager Software

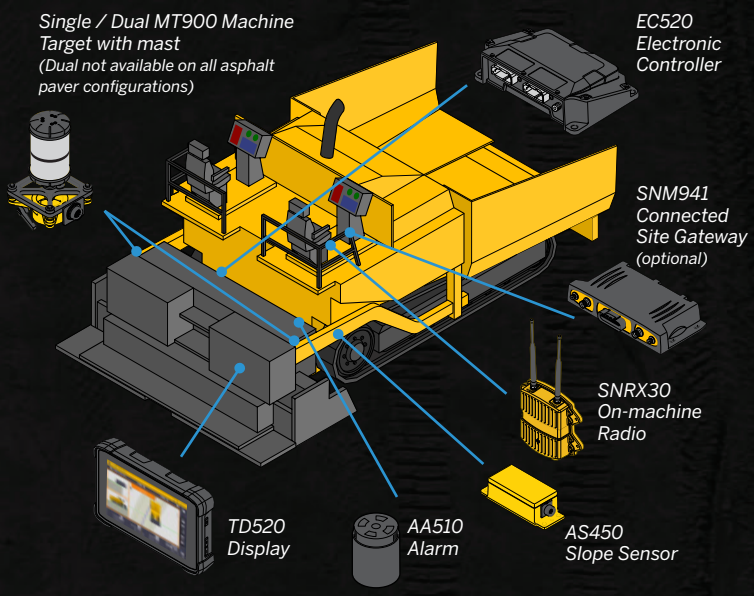
Trimble Roadworks:
Asphalt Paver Configuration Options

2D System



3D System

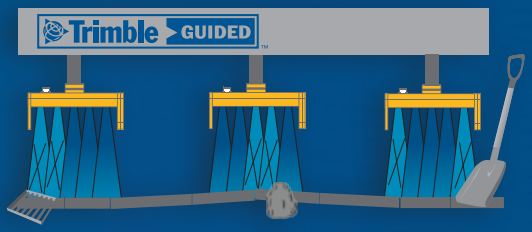
Install the Trimble Roadworks 3D system over many different paver 2D systems.



The Trimble Roadworks 2D system can reference off a surface, cross-slope or stringline, making it an excellent, lower cost option for roads that have been graded or milled using Trimble 3D paving control systems.

Slope Sensor Reference

The Trimble Roadworks 2D system can use the Trimble AS200 Angle Sensor to reference the desired cross-slope of the road. Designed specifically for asphalt pavers, the sensor rarely needs calibration to pave cross slopes accurately and consistently.



Surface Reference

Follow surfaces with contact-free accuracy. ST220 Sonic Tracers average out uneven reference surfaces such as stones, grates and shovels for better joint matching off previously laid asphalt layers and curbs, and a smoother, more accurate mat.

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