



EQUIPMENT AUTOMATION

TOPCON[®]

Motorgrader

System Five



ISO 9001:2000
FM 68448

Topcon's revolutionary Motorgrader System Five gives you the advanced automatic machine control technology needed for a competitive edge in today's market.



Control Box
The operator's interface to System Five



Slope Sensor
Accurate measurement of machine slope up to 100%



Control Valves
High Flow valve gives unmatched grade accuracy

It's no mystery why more contractors look to Topcon than any other company for the superior products that will benefit their business most. System Five is yet another reason for contractors seeking a competitive edge to turn to Topcon. To see it for yourself, visit one of the experienced Topcon dealers near you.

Operators don't want a system that's hard to learn or a hassle to use. That's why Topcon's System Five features a control box with an easy-to-use icon-based interface for superior machine control with less effort. The large graphic LCD screen is even simple to train so that even novice operators can work like experts. Push-button control and on-screen help also add to the simplicity of it's operation. You can even program up to three memory settings for fast setup. And, best of all, System Five's control box is laptop programmable so you can update or revise the software in the field.



System Five also features a host of innovative Topcon technologies to help your production rates soar. It puts operation at your fingertips with remote "Smart" Switches for convenient multi-function control. The durable 100% capable slope sensor is 5 times more slope capable than the competition, and it's level vial provides a better response than ever. High resolution Sonic Tracker II™ provide accurate tracking from virtually any reference. Our TrackerJack is a lightweight yet rugged automatic laser mast system that provides the largest working range of any system on the market. Automatic control doesn't get any better than this!



Motorgrader System Five

- Operator friendly control box display
- Compensate for blade wear while you are working
- World's highest slope capabilities (up to 100%)
- "Smartknobs"- most complete remote operator interface
- Upgradeable to all 3D machine control systems
- Proportional hydraulics provide quick and accurate control of the blade



Whether working on flat or sloped pads, roads, or airports, System Five gives you the tightest material control for reduced grade costs and improved productivity. But what you might not know is that System Five is also fully compatible with Topcon's 3-Dimensional Machine Control system. Using System Five and 3D-MC, your business will be ready today for the future of machine control.



General Construction, Surveying, Earthmoving, Mapping. No matter what type of work you do, Topcon has a tool that will help you get the job done right, the first time.



System 5 3D
GPS+ based
Grade Control



DT-200
High-Performance
Digital
Theodolites



LS-B3
Laser Indicate
Receiver



HiPer Lite+
Cable-Free
Integrated RTK
GPS+ Receiver



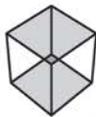
GTS-230W
Wireless Total
Station



mmGPS
Millimeter
Accurate GPS
System



RL-H2Sa
Dual Slope
Laser



MILLIMETER

GPS

a new dimension of precision and productivity

Imagine taking your GPS rover and transforming it into a super-precise measuring device that rivals a robotic total station. Or enabling your highly productive 3D-GPS+ stakeless grading systems to speed through your highest precision work. At a fraction of the cost of a robotic total station system, and without the single-user limitation. That's the power of **MILLIMETER GPS™**.

High-precision, three-dimensional stakeless grading has been available for years. But it required an expensive specialized robotic total station for each piece of automated machinery. With the MILLIMETER GPS system, you can add high-precision control to your Topcon 3D-GPS+ grade control system for a fraction of the cost, and—like GPS—one PZL-1 transmitter can operate multiple PZS-MC equipped machines. For added convenience on large or extremely steep areas, multiple PZL-1 transmitters can be linked, providing continuous, high-speed, high-precision control.

- World's first millimeter accurate GPS system—up to 300% more accurate than standard GPS
- Lazer Zone transmitter provides precise vertical measurement area 2000' in diameter, 34' in height
- Works existing Topcon GPS+ systems
- Multiple rover support (machine or pole mounted)
- Rough and finish grade in fewer passes with less machines

Introducing Lazer Zone™ – where precision and productivity merge

Topcon proudly introduces a new dimension of control technology— Lazer Zone™. The PZL-1 Positioning Zone Laser projects a Laser Zone beam that sweeps over a 2000' area. This unique signal creates a 34' high zone of precision elevation control. The Lazer Zone sensors, either on a rover pole or machine mast, computes a precise elevation anywhere within the Laser Zone. This provides instant millimeter accurate elevation control.

It's another Topcon **WORLD'S FIRST** technology that will put your productivity and job quality in a zone by itself.



TOPCON

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