



Site Preparation

Indicate Systems, Automatic Controls, Lasers

*Automatic
Machine Control
for Graders,
Pavers, Dozers,
and Excavators*

*Manual Indicate
Systems for
Scrapers,
Compactors,
Dozers, and
Backhoes*

*Ready to work with
Horizontal, Single,
Dual, & Steep
Slope Lasers*

*World's Most
Versatile
Cross-Component
Compatibility*



Now you can take complete control of
your jobs across the entire site.

Topcon makes it easy.



Grade control doesn't have to be complicated or expensive. Topcon has a system that's right for you...

From rough grade to finished, Topcon has a machine control system to fit any job and any budget...

Most site preparation requires moving large quantities of material. Dozers make the big cuts, belly pans balance, compactors firm



things up. Graders take care of getting things to grade, spreading sub-base and base materials. So what can automatics from Topcon do to improve this process? Take a look...

In its basic form, earthmoving is simply a manufacturing process, and like other manufacturing processes, the way to realize more production and profits is to optimize the tools at your disposal. Instead of leaving 6" or more of material for your grader, why not put an LS-B2 indicate system on your Dozer, Scraper, and Compactor? Now your grader can make finished grade in one pass because rough grade will be within 1".

Make your Dozer a finishing tool with Topcon's Dozer System Five...

Move bulk material and cut finished grade without ever leaving the seat. Dozer System Five allows you to cut elevation and slope to millimeter tolerances easily and accurately. Get the most that your Dozer has to offer today, add Topcon's Dozer System Five.



Increase Excavator production and safety at the same time with Touch Series 5...

TS5 is a very unique approach to machine automation. TS5 allows operators to work at their own pace, and engage the automatics for that last, critical 6" cut. A touch sensitive screen allows the operator to input as many as three "Material Sections" for base materials. The system displays bucket location in relation to finished grade right on the screen. Underwater or "blind" cuts are easy, and safety increases dramatically because there's no one in the trench.

Layout to finished grade, Topcon's 3D systems create finished grade right from plan files...

The future of plan based LPS and GPS grade control is here, and only Topcon has it!



Triple production, Utilize every machine, Control materials.

Machine control isn't just for graders and pavers. Topcon developed systems for every machine, every application, and every budget.

Every one of our systems utilize World Class design and technology to make sure the common experience for our customers is increased job quality and more importantly, increased profits for your companies bottom line.

No matter what kind of work you do, if you use earthmoving machinery Topcon can help. Take a look at the these tools Topcon has to offer and ask yourself how much more you could get out of your machines.

LS-B2 indicate

Compaction accuracy

Bring your sites within a fraction of grade with an LS-B2 for your compactor. You'll turn your compactor/mixer into a grader and maximize tools, time and profits. It's so simple to use even a novice operator can increase productivity the first time they use it.

It mounts easily with no cables (see inset). And Topcon has the perfect laser to fit the job. All at a cost that's less than you'll get back the first time you use it.



LS-B2 with RD-2

Balace control

Cut here, add there, check grade, do it again. At the same time trying not to over-cut or leave the site heavy for the graders.

Make the fewest passes and set rough grade more accurate than ever. Topcon's LS-B2 is a laser receiver that's a legue above the capabilities of other indicate systems.

Lock the LS-B2 on the viriation mount, select the accuracy level from the RD-2 remote display (there are no cables! see inset), and you're on your way.

Use a Topcon slope laser like the RT-5Sa and you can cover even the largest sites in record time and to maximum accuracies.

The LS-B2 system is effective and built to fit any budget.



Excavator Touch Series 5 Automatic excavator control

Touch screen based automatic grade control for excavators. Constant visual indication for blind or underwater cuts, three programmable on-grade levels, and slope capable from .1 to 100 percent. Automatic controls can only be engaged within 6" of grade so you work at maximum speeds. Work faster and more accurately while maximizing material usage. Topcons Touch Series 5 puts complete control at your fingertips.

LS-B2 Laser Receiver

Performance, Versatility, & Value

- Automatic or manual grade indicate
- Unique digital sensing technology provides extremely accurate and reliable on-grade readings
- Cordless, cab-mounted infrared indicate Remote Display
- Detachable alkaline or rechargeable battery pack allows cordless operation for as long as 80 hours
- Full automatic machine control system compatibility
- Four selectable on-grade settings from rough to super-fine grade
- Packages available to fit every budget

Dozer System 5

Automatic grade control

Single or dual side elevation and slope control, Topcon's automatic Dozer system puts accurate finished grade at your fingertips. With real-time display of grade lets you work from existing grade, sonic stringline, laser, or slope. Your dozer will perform with the responsiveness and accuracy of a grader.

Grader System 5 Automatic grade control

The World's premier grade control system that's used worldwide more often than any other grade control system. Topcon's Grader System Five is the most advanced, versatile

system you'll find. Sonic, laser and slope control makes finished grade on the first pass easy. Grade at high speeds with accuracy. Upgradeable and fully 3D compatible, Grader System 5 is the grade control system for you.

LS-B3 Receiver

Indicate for backhoes and mini-excavators

- 11 levelsof on-grade
- Bump-start energy saver
- Battery operated
- Rugged, waterproof housing
- Optional vertical indicator
- Magnetic or mechanical mounting
- Great value, low-cost



Topcon has the perfect machine control laser for every kind of job large or small...



RT-5S Series

The world's most advanced and accurate laser; Topcon's RT-5Sa and RT-5Sb provide dual slope capabilities across the largest jobsites.

Features include:

- World's highest accuracy - 1/32" @ 100'
- 50% slopes without tilting the unit
- Removable remote
- Rechargeable batteries
- Selectable sensitivity
- much more...

RL-H1S/RL-H2S

The cost effective long range slope lasers designed for the rigors of even your toughest jobs.



Features include:

- Slopes from 0 to 20%
- Rechargeable batteries with run/charge system
- Weatherproof/dustproof
- Rugged housing and internals
- much more...



RL-H Series

The best value in self-leveling lasers. Topcon's RL-H Series provide one-button operation in

three models. Each model features fast 10 second leveling, waterproof housing, an LS-70 receiver for grade checking and much more.



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"The Leading Source"

Features and specifications subject to change without notice.

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7010-5037 Rev. D Printed in USA. 2/01 30M

There's a Topcon Machine Control system designed to fit the way you work, and a full line of standard and optional equipment so you can tailor your system to work the way you want.

9130 Laser Tracker



For use with: Dozer System, Motorgrader System, Excavator TS-5

The 9130 Laser tracker is a 360° laser receiver designed for use with all leading lasers manufactured today. Bright grade indication LED's, and simple mounting makes it easy to use everyday.

Add a Trackerjack electronic motor, and the 9130 automatically "hunts" for, and locks on to, a laser beam for sure precise operation.

TM-1 Electronic Mast

For use with: Dozer System, Motorgrader System, Ag System

Topcon's high-speed, rugged, and accurate TM-1 mast mounts on your machines blade. The high-speed motor raises and lowers an LS-B2 laser receiver locking onto a laser reference.

With a full 6" of vertical movement, and a locking, no-slip brake, the operator simply uses the control box to adjust the TM-1 up or down fractions of an inch to stay on grade.



3 Dimensional Machine Control (LPS)



For use with: Dozer System 5, Motorgrader System 5

Site plan based grade control is the future and only Topcon's "Local Positioning System" uses laser communication for fast, reactive grade control.

Using a wide range of digital site plan formats, 3D-Machine Control lets you cut right from the engineers plans.

If you're currently using System 5, 3D-MC is a simple upgrade.

3 Dimensional Machine Control (GPS)

For use with: Dozer System 5, Motorgrader System 5

Put the power of digital satellite technology on your jobsite. Based on Topcon's advanced 3D-Machine Control system, 3D-GPS uses digital site plans and GPS signals to cut grade to within 3cm of finished grade.

If you're currently using System 5, 3D-GPS is a simple upgrade. Ask your local Topcon distributor about 3D-GPS today.



Your local TOPCON dealer is:

