

## 3D MACHINE CONTROL FOR YOUR EXCAVATOR



**GPS+ based grade reference for reliable, site wide grade control**

- ELIMINATE OVER EXCAVATION
- CUT FLAT TO VERTICAL SURFACES
- MULTI-BOOM SUPPORT
- BRIGHT, EASY-TO-USE COLOR TOUCH SCREEN
- CUT GRADE FAST AND ACCURATE, THE FIRST TIME
- KEEP THE GRADE CHECKER OUT OF THE TRENCH

Now you can experience the benefits of Topcon's GPS+ grade control in your excavator. X63 combines the advantages of our industry leading GPS+ technology together with our industry standard operator interface.

Topcon's X63 consists of two GPS+ antenna, four 360° tilt sensors that measure the angles between the cab, boom, stick and bucket, a GPS+ receiver and Topcon's GX-60 color, touch sensitive control box.



1-Control Box



4-360° Tilt Sensors



2-GPS+ Antennas



1-GPS+ Receiver

With X63, you'll eliminate over excavation and control material usage saving you time and money. X63 gets you to grade faster, and keeps you there, even in deep, blind cut situations or when digging under water. The GX-60 control box allows the operator to "see" the machine's exact position on the site, and the bucket's position at all times. Final grade, and the distance of the bucket teeth from it is clearly displayed on the GX-60, and the cut/fill indicator simply and clearly guides the operator to grade; red = cut, green = on grade, blue = fill. Multiple views can even be used when more detailed information is required including plan, profile, sectional and dual grade indicators. The best part is X63 virtually eliminates the need for a grade checker to constantly monitor depth, increasing crew safety.

X63 even provides the ability to set up to six different bucket sizes. Need to change buckets during the job? No problem. Simply attach the new bucket, choose it on the GX-60, and you're on your way.

## Offices Worldwide

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Specifications subject to change without notice

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## X63 Specifications

### POWER

Supply Voltage 10-30 Volts

### ENVIRONMENTAL

Operating Temperature -20 to 60 Celsius

Water Proof MIL STD 810D Method 506 or IPX6

### WARRANTY

Standard 1 Year

### AUTOMATIC CONTROL

Valve Type No

Valve Driver Over Current Protection No

### PHYSICAL

Display 640x840 Color VGA with enhanced brightness

LED Displays No

Data/Memory Port USB, Ethernet, Bluetooth

Operating System Windows XP

Backlight Auto adjusting

## Applications

- Site preparation
- Utilities
- Roads & Highways
- Ponds, canals and rip rap
- Land Fills
- Complex designs

## Features and Benefits

- Safe and Productive – Operator controls entire excavation task; No one in harms way
- Get to grade faster, more accurately – no over cut or under fill
- Grade accurately in deep, blind, even underwater, cut.
- Change buckets on the fly. Store up to six different sizes
- Secondary (knuckle) boom support
- New state of the art CAN based Tilt sensors
- No linearization required
- Same easy to use 3DMC software used in other machines such as dozers, graders and scrapers.
- Combine up to three user defined views including plan, profile and section

## Summary

Topcon's X63 indicate system will simplify excavation, providing your crew with greater productivity, independence and safety. Whether you are laying pipe on grade, mining, digging basements or doing wetlands work, Topcon's X63 makes the job faster and easier.

It's Time.

Your local Authorized Topcon dealer is: