



GRADEMETRIX®
GRADE2D
2D EXCAVATOR GUIDANCE SYSTEM

GRADEMETRIX® EXCAVATOR GRADE2D

GradeMetrix® Excavator Grade2D is packed with industry leading technology. It is easy to use and delivered at an affordable price. The system can easily be installed and calibrated.

GradeMetrix Excavator, like all GradeMetrix solutions, provides a 3-year warranty for all major components.

New and experienced operators can dramatically increase accuracy, efficiency, and dependability with GradeMetrix® Excavator Grade2D, resulting in significant ROI in your operations immediately.

COST SAVINGS – EMBANKMENT OVERCUT

If a batter is overcut by 0.5m over 500m length, the overcut would total 2,500m³. Additional excavator time could be as much as 25 hours and 166 truckloads would be needed at 15m³ per truck. The total cost would be more than the cost of the guidance system.

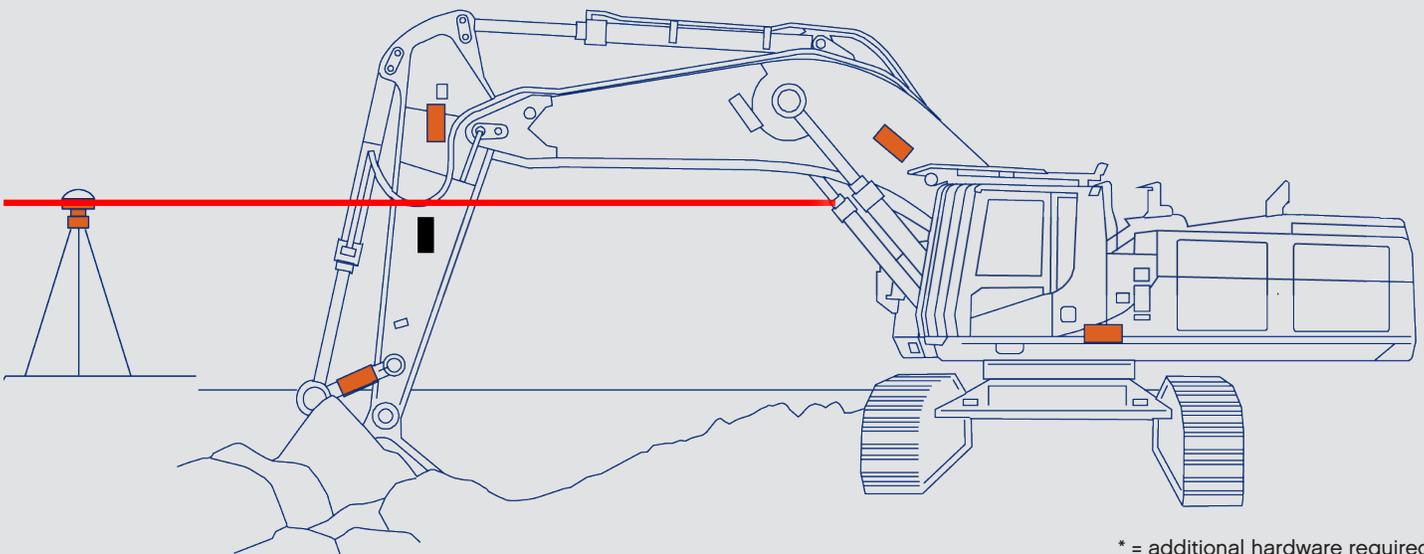
An excavator guidance system saves you between 30-50% in material cost, staff cost, and operation cost and improves your production time by the same factor.

GRADEMETRIX® KEY FEATURES

- Create trenches, slopes, and pads from within the cab.
- Supports tilt bucket, tiltrotator, and laser receiver as standard. *
- Supports swing boom and knuckle boom excavators. *
- Upgradeable to 3D solution. *
(3D activation sold separately)

OUR BENEFITS AT A GLANCE

- **RIGHT THE FIRST TIME** – Work Faster – Reduced reliance on operator skill. Eliminate rework
- **REDUCED SURVEY COST** – Manage site preparation and changes with in field design capabilities. Eliminate stake replacement
- **IMPROVED SAFETY** – Eliminate grade checking personnel around machines. Reduce operator exits from equipment
- **3-YEAR WARRANTY** – Best In Class Warranty
- **EASILY ADAPTABLE** – Primary components can be moved quickly between machines
- **REDUCE FUEL USE**
- **REDUCE MACHINE WEAR**



* = additional hardware required

IRON TWO RUGGED TERMINAL

- 10" (1920 x 1200 resolution) touchscreen
- Microsoft Windows™ operating system
- Sunlight Viewable display
- Easy and intuitive user interface
- Used in 3D system as well, making upgrades easy
- Wi-Fi, Bluetooth, and ethernet support
- Integrated cellular modem for Ntrip corrections or remote/data support
- IP65 rating



GML-1 LASER RECEIVER

FEATURES:

- IP 69K
- 150° Receiving angle
- 150mm Receiving area
- 5mm precision (1mm resolution)
- 2-300m measuring range from rotating laser

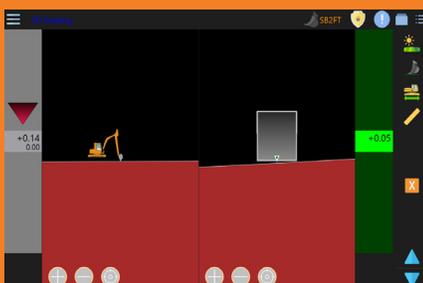


GMS-1 SENSOR

Machine Control applications are required to be safe, efficient and reliable. Accurate positioning is of prime importance, and the GMS-1 is an excellent fit, combining redundant measurement with an easy-to-integrate interface.

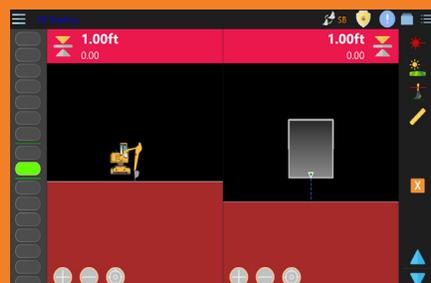
- Rugged IP69K/IP68 Environmental Rating
- Rugged and Compact Design

Dynamic Cut Fill



Intuitive interface

Real-time Laser Status

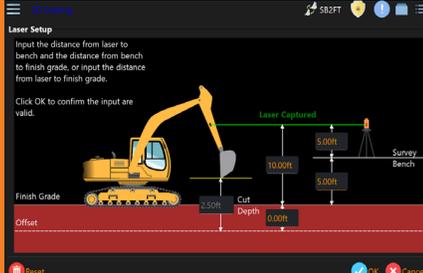


Create Designs from Machine

Laser Setup

Input the distance from laser to bench and the distance from bench to finish grade, or input the distance from laser to finish grade.

Click OK to confirm the input are valid.



Reset OK Cancel

Trench Design

Enter the width of the lanes, its slope, and which side of the center-line it will be appended then press Add. Continue this process until the desired number of lanes is created, press Finish to save and apply the trench.

Side of Center: Both

Lane Width: 5.00ft

Cross Slope: Delta elevation

Clear values on Add

Side of Center	Width	Slope
Left	0.00ft	5.00ft
Left	5.00ft	0.00ft
Left	0.00ft	5.00ft
Left	5.00ft	0.00ft
Double	5.00ft	0.00ft

Remove Add Back Finish Cancel



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