

# Efficient Excavating Solutions

**SitePOWER**  
by Leica Geosystems



- when it has to be **right**

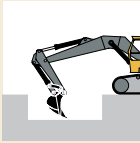
**Leica**  
Geosystems

# Excavating Solutions

## Standard

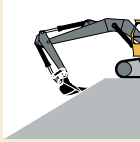
### DEPTH

– Commonly used for the bases, foundations, etc.



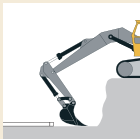
### SLOPE

– Set the desired slope for the embankment.



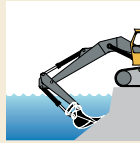
### PIPE-LAYING

– Set the desired depth and slope of the pipe trenches.



### UNDERWATER WORK

– The bucket motion is shown in the graphical display.



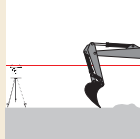
### GRADING WORK

– Set the right depth and the desired tilt in one direction.



### LASER REFERENCE

– Gives possibility to use rotating laser as a reference.



- Easy single slope and depth control. Just press one button for slope and one for depth, and you are ready to work!
- Be your own surveyor and save money. You can check and mark your height just by touching your point with the bucket.
- No more over excavations. With this precise system, you are sure only to remove the material that is needed.
- Get done in fewer passes. No need for "rework" – you will reach the desired slope and depth the first time!
- Altitude warning – audible warning on selected height, useful for overhead cables and working under bridges and inside buildings.

## Performance

### DEPTH



### UNDER-WATER WORK



### SLOPE



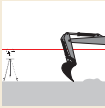
### GRADING WORK



### PIPE-LAYING

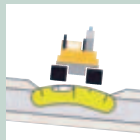


### LASER REFERENCE

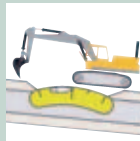


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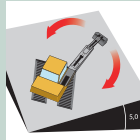
### ROLL



### PITCH



### ROTATION SENSOR FUNCTION



- Dual slope and automatic level control – Don't worry about the position of your undercarriage, this system automatically compensates for Tilt and Roll.
- Be able to excavate more accurately – The laser height control combined with the level control ensures that this system always works very precise on every surface!
- Height guiding by laser control – Using a rotating laser as a reference, you will always be able to "catch" your reference as you move along the site.
- No grade checking needed, touch your selected point and read the slope and depth in your display. Safe site work for the personnel!
- Upgrade possibilities to system: Advanced. Adding 3D (GPS) sensors and another Control Box to this system, you will be able to work with complex projects and 3D models.

## Advanced

### DEPTH



### UNDER-WATER WORK



### SLOPE



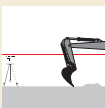
### GRADING WORK



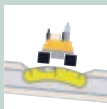
### PIPE-LAYING



### LASER REFERENCE



### ROLL



### PITCH



### ROTATION SENSOR FUNCTION



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### 3D/GPS

Work with both dual slope in 2D and with reference models and GPS in 3D.

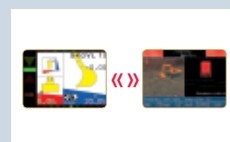


### UMC3D

Create terrain models directly on the screen in the field.



Toggle between 2D and 3D with the push of one button!



- Work without limitations – increase your machine productivity and reduce the dependency on site survey teams.
- Significant material savings – what is estimated is used!
- Save money – less rework and machine hours, save fuel, increase productivity.
- Make complex projects simple – geometries, profiles and grades are done much faster than normally.
- Full payback on your investment can be achieved in one project.

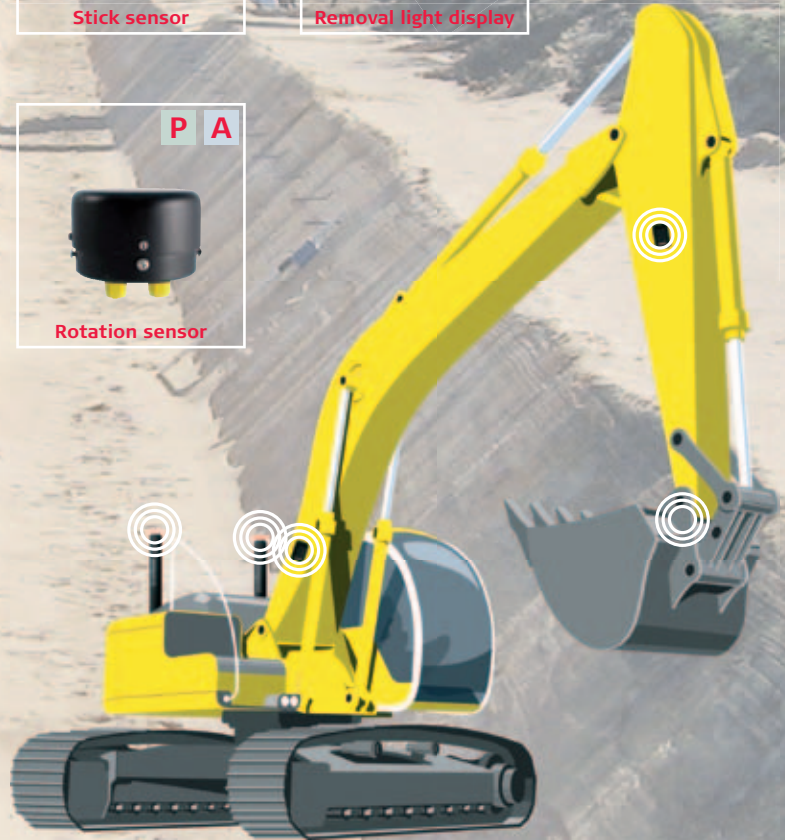
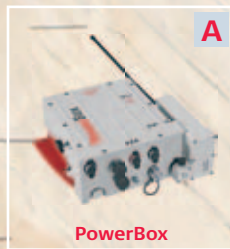
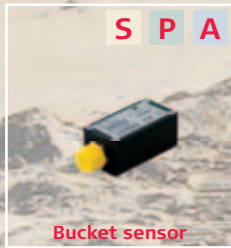


# System Components

**S** Standard system

**P** Performance system

**A** Advanced system



**PowerDigger Lite Control Box** **S**

Easy and simple single slope control box with multicolor display. Graphical overview gives you information of the exact height and slope you have keyed in. All necessary buttons and functions are placed logical on the front.



**PowerDigger 2D Control Box** **P**

Updated full 2D multicolor control box to be placed in a "PowerSnap" cradle. No cables need to be attached – just snap into place and set off. More features are added into this new 2D control box.



**PowerDigger 3D Control Box** **P A**

This control box combines full 2D with full 3D in ONE box, adding 3D sensors provide full 3D, toggle between 2D and 3D with a simple touch of a button. 7" large graphic color touch screen with user friendly menus. Mounted in a "PowerSnap" cradle.



## The PowerSnap Concept

- Unique patented snap-on & snap-off capability
- Contact free control/display
- Easy removal of core components for over-night security
- Fast and simple interchange of panels between machines, 2D and 3D applications.
- Control box can easily be moved from excavator to dozer or grader



Pushing dirt or laying down concrete or asphalt, we've got the solution you need. Whether you need simple laser height detection for excavators or need to control a concrete slipform paver to millimeters, Leica Geosystems can help you optimize site productivity with a complete range of machine control solutions. Plan your own upgrade path to full 3D machine control incorporating GPS navigation, terrain modelling software and automatic blade control.

Dozers, graders, excavators, concrete pavers and asphalt finishers are just some of the construction machines that can be fitted with scaleable, tough and reliable Leica Geosystems construction machine control systems. With a wide range of support services to choose from, Leica Geosystems helps you master your site.

**When it has to be right.**



**Total Quality Management –  
our commitment to total  
customer satisfaction.**

Ask your local Leica Geosystems  
dealer for more information  
about our TQM program.

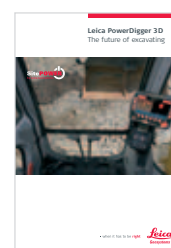
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**Leica PowerDigger Lite**  
Simple, rugged control  
system for excavators



**Leica PowerDigger 2D**  
The most flexible 2D  
excavator control system



**Leica PowerDigger 3D**  
The future of excavating