

Leica MC200 Digger

The guidance solution for excavators



>Fast >Accurate >Flexible

· when it has to be **right**

Leica
Geosystems

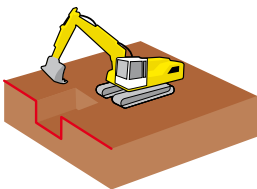


MC200 Digger Solution

MC200 Digger provides excavator operators with real-time depth, slope and reach information, in relation to any reference, on an easy-to-read graphical display MC200 control panel mounted in the cab.

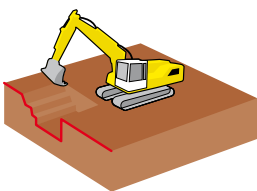
A high brightness LED light-bar gives the operator a quick reference to the desired level. An audible tone also gives the operator an 'on-grade' or 'near-grade' indication. All of the information necessary for an operator to do their job faster and more accurately is available in the cabin.

MC200 Digger has the standard digging jobs covered



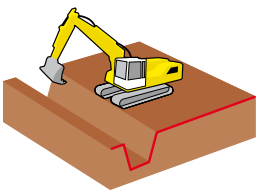
Trenching, layering and fixed depth

Simply enter the desired depth and slope and MC200 Digger will guide the operator in digging fixed depth jobs such as footers, as well as more complex work such as trenching and layering.



Slopes, grades, and profiles

If you are creating embankments and other single grades, just enter the desired slope and the system guides you. For more complex work, the MC200 Digger 'learn and dig' profile mode allows the operator to either manually enter a profile, or simply dig the profile once. MC200 Digger can then be 'taught' the profile from the actual work completed.



Blind cuts

Working on blind cuts or under water is simple, faster and safer due to the clear MC200 Digger graphical display of the bucket position. The bucket orientation and position relative to the desired grade or profile is shown.

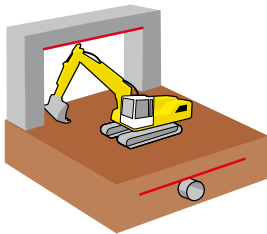


Rely on accurate measurement



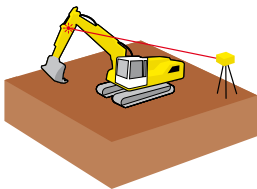
With MC200 Digger you will always know the exact position of the bucket. Advanced CANbus based accelerometers are used to measure the position of the boom, stick and bucket. These sophisticated sensors are designed for the harshest environments including underwater. With no moving parts, the sensors are not only accurate but very reliable. When you are able to dig with centimetre accuracy the first time, material savings can be made and downtime minimised.

Height/depth detection benefits



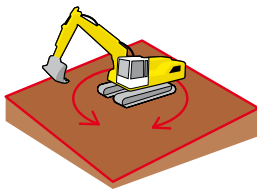
MC200 Digger allows operators to set a height or depth alarm that alerts them if they exceed defined limits. This allows operators to keep their eyes on the job. An independent grade checker is not required so workers are kept out of the working range of the excavator.

Advanced Options - Build on your MC200 Digger system with a range of innovative options



Fine precision jobs - Laser Mode Option

For jobs that require even finer precision, you can integrate MC200 Digger with a rotating laser to provide a precision reference height and slope.



Working in any direction on a sloping surface - Dual Slope Option

MC200 Digger can be fitted with the Dual Slope system that allows you to work more efficiently and accurately in any direction on a sloping surface. Complete machine slope compensation increases accuracy, whilst being able to work in two slopes and in a wide 360° digging area improves efficiency.

This option also includes Tilt Bucket support which gives the operator new levels of precision and control through clear feedback on bucket angle and position.



Automatic load weighing - Weighing on the move Option

Leica Geosystem's state-of-the-art 'weighing on the move' technology for excavators is available with MC200 Digger.

The MC200 Digger weighing option automatically measures the weight of the load without having to stop the machine. It's easy and it's fast. Job tickets can be printed out showing the weight per load, the total weight and other relevant information.



Growing with you – available upgrades

As your business grows so too can MC200 Digger. You can start with a basic single slope system, upgrade to dual slope, the weighing option, or even the full Digger 3D GPS

based machine guidance and control system. This modular approach protects your investment allowing you to add to the system when you need to.

Feature	MC200 Digger
Graphical MC200 Operator Control Panel	✓
CANbus sensors	✓
Metric or US units	✓
Height/depth alarms	✓
Dual axis tilt bucket (IP67)	✓
Underwater dual axis tilt bucket sensor (IP68)	Option
Laser catcher	Option
3 rd boom sensor	Option
Dual slope	Option
Weighing	Option
Upgrade to Digger 3D	Option



A yellow excavator bucket is shown in the foreground, tilted and dumping a large amount of dark brown soil. The background shows the upper part of the excavator's body and its arm, with a blue sky and white clouds. A semi-transparent blue banner is overlaid on the upper half of the image, containing text.

Reach for productivity gains with **MC200 Digger**

If you operate excavators you know how important it is to dig fast, be accurate, and to be in control of the job. You need the ability to cut to grade with complete confidence without stopping to check levels.

MC200 Digger gives you the real-time information you need to increase the productivity of your machine by up to 50%. It's a reliable and flexible guidance solution that you can expand on to meet your future needs.

Asphalt, concrete or earth, shifting it or laying it. Whether you need simple laser height detection for excavators or need to control a concrete slipform paver to millimetres, Leica Geosystems can help you optimise site productivity with a complete range of machine automation solutions. Plan your own upgrade path to full 3D machine control workstations 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 construction machine automation systems. With a wide range of support services to choose from, Leica Geosystems helps master your site.

- when it has to be right.

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Total Quality Management:
Our commitment to total customer satisfaction

Leica Geosystems AG, Heerbrugg, Switzerland, has been certified as being equipped with a quality system which meets the international Standards of Quality Management and Quality Systems (ISO standard 9001) and Environmental Management Systems (ISO standard 14001).

Ask your local Leica dealer for more information about our TOM program



Leica MC1200
Product Brochure



Leica Pavers
Product Brochure



Leica GradeStar
Product Brochure

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