



2D Machine Control Leica iCON iGD2

Intelligent 2D grading solutions for CTL



The Leica iCON grade iGD2 solution provides automatic control of both slope and elevation. Laser receivers are mounted on the dozer and used together with a rotating laser. A single laser indicates height. Adding an extra mast and laser sensor allows you to work independently of the slope direction.

Flexible solution

Leica iCON grade offer you the market's most flexible, modular, and upgradable machine control solution for dozers. The iGD2 solution is a good option for entry-level customers and new markets. Upgrade easily from 2D to 3D and change configuration fast and cost-efficiently to adapt to different requirements on a job site.

State-of-the-art sensors

Use the Leica MLS720 or MLS 820 laser receivers. The new MLS820 laser receiver has a wider span which can be used without electrical mast. It features Electronic Set Point to avoid manual moving of the sensor up and down and eliminates the use of an electrical mast. It can also be used as a stand-alone unit powered by a car battery in areas with poor electrical supply.

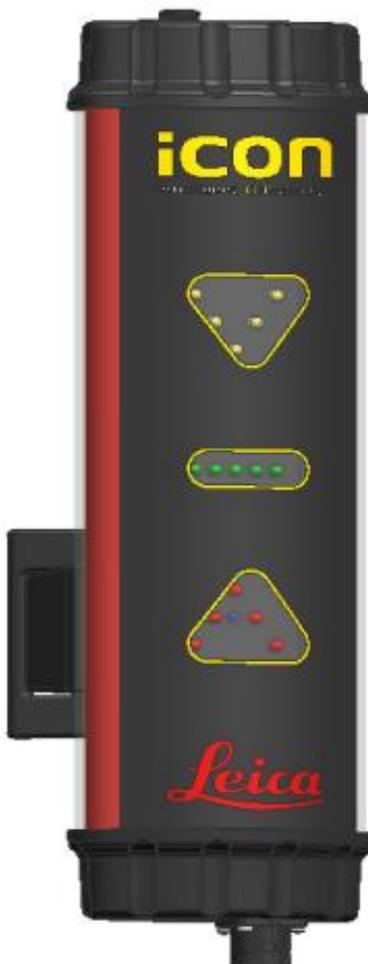
Upgradable**

Benefit from a simple 2D solution with new and improved sensors and upgrade easily when the job site requires more automation, documentation, and accuracy. **Add MCP80 panel, MC1 software, and GNSS antennas or radio and prism to upgrade to a 3D solution without having to change sensors and cables.**

Leica MLS820

Laser Receivers

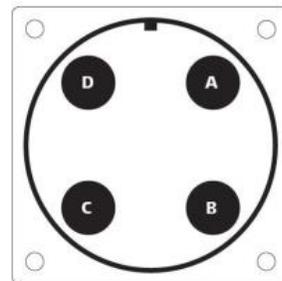
The Leica MLS820 laser receiver is the eye of the system. The sensor receives the rotating beam of laser light and indicates its position as it strikes the sensor. This information is then transferred electronically to the control panel. The sensor provides five distinct positions of the laser beam. Used for automatic or manual control, the flashing LED indicators (Red = receiver is below grade, Green = Receiver is on grade, Yellow = Receiver is above grade) are ideally suited for all machine control applications.



Reception Window	13"
Precision	2,5 mm / 1/10"
Capture Range	360 degrees
LED Display	Yes
Water/Dust rating	IP66
Operation temperature	-20°C to 70°C
Storage temperature	-20°C to 70°C
Weight	3.7 kg
Dimensions	132 x 221 x 436 mm
Mounting clamp	Fits round or square mast 35 mm to 55 mm

Pin assignment

Pin	Name
A	V+
B	GND
C	CAN L
D	CAN H



MIL, male, 4-pin connector

Leica iCON iXE2

Display

The Leica iGD2 solution provides automatic control of both slope and elevation. When using two masts and laser sensors you can work independently of slope direction.

PowerSnap™ Technology

Use your panel on several machines in your fleet without the hassle of installation. This cable-free configuration allows for simple and fast exchange of panels between different 2D machines. The cradle is installed once and stores machine specific settings.



BENEFITS OF 2D

- Rapid interchange of control panels between machines
- One cradle for all iCON 2D excavate and iCON 2D grade panels
- Easy removal of core components for overnight security
- Contact and cable-free connection to control/display panels
- Unique patented Snap-On & Snap-Off capability