



# 2D Machine Control Leica iCON iGD2

Intelligent 2D grading solutions for CTL



## Entry-level machine control

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 MLS720

## 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

8"

Precision

2,5 mm / 1/10"

Capture Range

360 degrees

LED Display

Yes

# 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

# Leica Rugby CLX 700

## Dual Slope Transmitter



### THE RIGHT CHOICE FOR EVERY APPLICATION ON SITE

With the unique capability to adapt to any application needs through software upgrades, the Leica Rugby CLA is the first upgradable laser to maximize productivity and performance on-site. The upgrade options deliver the unmatched performance in any levelling, aligning, and squaring tasks, making it a true all-rounder.

Base unit - Use it as a simple to operate, one-button horizontal laser for concrete and formwork levelling, height checking and transferring, and land levelling applications.

Warranty	5Y / 2Y Knockdown
Axis Capability (X/Y Axes	± 15%
Self Leveling Accuracy	± 1.5mm at 3m
Self Leveling Range	± 6°
Operating Range, Rod Eye 140/160	1350m (diameter)
Laser Class	2
Remote Range	600m (diameter)
Rotation Speeds	2, 5, 10, 15, 20 RPS
Weight with Battery	3.8 Kg
Battery Charging	5h (full charge) 1h fast charge ±8h operating
Battery Operating Time	50 h
Storage Temperature	-40°C to +70°C
Operating Temperature	-20°C to +50°C