



# IDIG TOUCH 2D EXCAVATOR GRADE CONTROL SOLUTIONS



# Boost Your Performance



## CONTROL YOUR BUCKET FROM YOUR CABIN

You have your bucket and LED displayed in the same field of vision. You ensure maximum speed and accuracy.



## MULTI-MACHINES

A single iDig system can be installed on several excavators. The iDig is mobile from one machine to another in a few minutes.

## PRODUCTIVITY AND SAVINGS

Precision, safety and professionalism = more jobs won.

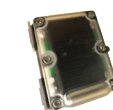
- > Fewer machine stops Fewer reworkings
- > Fewer overdigging operations = time and fuel savings

No need to worry about charging the sensors.

No risk of tearing off. Grade Control has never been so easy.

## ANGLE AND LASER

Combo sensor options that manages both laser reception and angle calculation.



8 cm



16 cm

## WORK WITH CONFIDENCE

No grade checker in the trench, less risk of accident. Stop getting out of the cabin and protect your knees.

## EASY TO USE

Simple and intuitive, the iDig will quickly become your daily tool.

## iDig Innovative Solutions



### Dozer blade - patented feature

Control your levelling blade with the sensor specially designed for your levelling work with your excavator.



### Auger

The iDig system will guide you to have the right depth while remaining vertical.



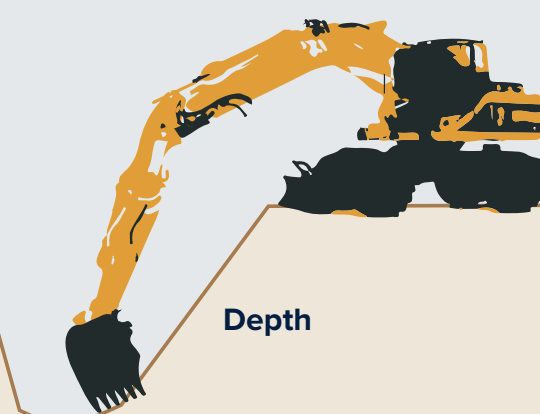
### Tilt bucket & tiltrotator

The iDig supports some tiltrotators. Your bucket tilts and rotates, the iDig shows you its position in real time.

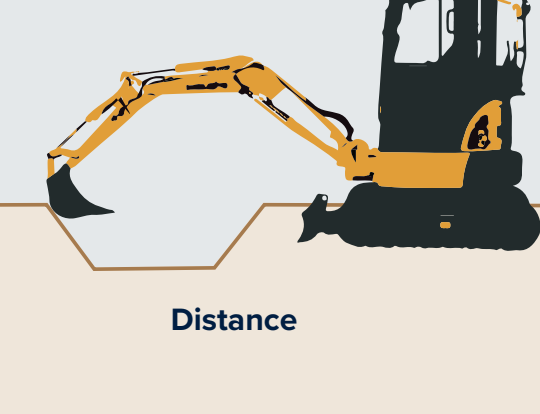


### Offset Boom

Thanks to the management of the UR connection, the iDig already manages deported arm machines to allow you to work precisely in complex axes.



Depth



Distance



Slope



# Grade Control

## Control Your Grade

With the iDig Guidance System, control your excavator without leaving your cab. You will know the position of your bucket to the nearest centimeter without using a grade checker.

## No Cables

No risk of cables tearing off. The iDig communicates by radio and is charged by solar panels. Installation is simple and intuitive.

## Multi-Machines

Buy a single system and install it on several excavators. The iDig is portable from one machine to another in a few minutes. Your iDig never sleeps and you get a return on your investment in a few months.

### Control Box

A powerful and robust touch pad, equipped with patented software designed with excavator operators for simple and intuitive operation. Manage all your excavators, buckets, blades. iDig is a universal system designed to work with all your machines.



### LED Bargraph

Your assistant in the cabin. You keep it in your field of vision with your bucket, thanks to its green, orange and red LED positioning lights, it guides you with precision.



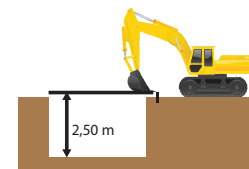
### Sensors

A unique system of wireless sensors that can be charged by solar panels. They attach very easily to your excavator and snap on / off to switch from one excavator to another in the blink of an eye, total freedom of placement: quick coupler, dog bone, right, left ...



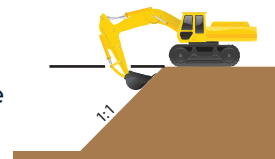
## Real-Time Depth Indication

- > Enter your desired depth
- > iDig guides you there



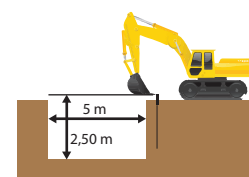
## Real-Time Slope Indication

- > Enter your slope, positive(+) or negative(-), °, %, o/oo or X:Y
- > iDig guides you there
- > iDig can also calculate the relative slope between two points on the ground



## Real Time Distance

- > Place the bucket teeth on the start point
- > Enter your desired digging distance
- > Follow iDig's horizontal LEDs to get there





# Specifications

<b>System Power</b>	12/24 V
<b>Sensor</b>	
Battery charging	solar
Dimension / weight	combo :1x 2.75x3.94x1 in - 0.53 lb / 70x100x25 mm - 242 g mini sensor : 2x 2.16x3x1 in - 0.34 lb / 55x75x25 mm - 153 g
Water / dust protection	ip67
<b>Control Box</b>	
Screen Size	Touch 7" (~18 cm)
Resolution	800 X 480 pixels
<b>Optional Sensors</b>	
2D Sensor	2.75x3.94x0.98 in - 70x100x25 mm - imu (3 gyro, 3 accelero)
Big Combo	Laser reciever height / 16 cm
<b>Memory</b>	
Number of Machines	More than 100
Number of Buckets	More than 100
<b>Accuracy</b>	X +/- 7/16", +/-1 cm, 0.03'
<b>Operating Temperature</b>	-20° TO +70°c / -4° to 158° F

### iDig Touch 2D Standard package includes:

- > 4 Sensors
- > 4 Sensor Plates
- > 1 LED Display and 1 Control Unit with Suction Mounts
- > 2 Quick-Connect Cradles for the LED and Control Box with 12/24V Accessory Plug. With "1 time" Machine Set-up items : 1 Laser Pointer  
2 Tripod Adaptors
- > 2 Extension Tubes
- > 1 Target

### iDig Touch 2D upgrade options include:

- > Big Combo Sensor
- > Dozer Blade Upgrade
- > Tilt Bucket Upgrade
- > Additonal Machine Base Kit



# Complete The Solution With An iMEX Laser

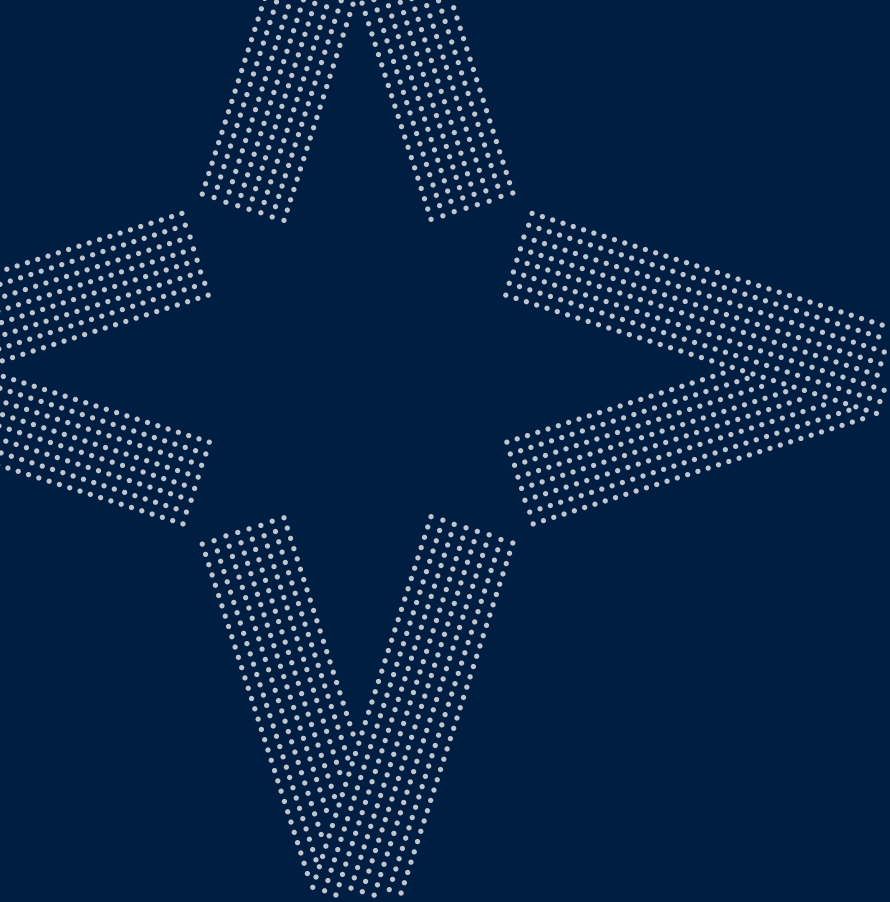
## Rotating Lasers

The i I Series rotating lasers range comprises five models of professional trades lasers that are built for the harshest working environment. With various features and functions, German made detector, lithium battery and 5 year warranty, these are built for every construction task.



### iMEX-i66R | iMEX-i77 | iMEX-88R

iDig	Elevation Reference	Single Grade	Dual Grade



# Aptella

AUTOMATION +  
POSITIONING TECH

➤ SOLUTION READY

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