Key Benefits Increased productivity

- Maximises your machine utilisation and return-on-investment from day one, by getting right to grade the first time
- Save time, setup and go in minutes. The iCON grade system remembers all your settings

Increased flexibility

- Easy removal of key components for overnight security. One docking station for all panels
- Fully upgradeable from basic 2D entry system to full 3D capability in the same control panel. Laser, slope, sonic, GPS and total station control
- Simple upgrade step to 3D buy a 3D-ready panel and upgrade later or rent the GPS/Tracker and 3D software

Reduced costs

- Reduced fuel costs
- Faster job cycles reduce operating costs
- Reduce labor costs by reducing or eliminating grade checks, and getting to grade faster and more accurately

Leica iCON telematics

The perfect office - site connection

The iCON grade 42 system supports Leica Geosytems' unique iCON telematics services which enable you easy data transfer from office to machines, remote support and basic fleet management via the iCONnect website.

Benefits

- Less site visits for machine control support from site supervisor to check settings on the
- Instant remote support reduces machine down time and maintains productivity
- Easy monitoring by site supervisor if correct data are used on the machine
- Quick design data and firmware updates without having to drive to the site
- Supervisor can monitor the fleet operations remotely and generate reports based on historical data.



TQM

Total Quality Management Our commitment to total

about our TQM program.

Ask your local Leica Geosystems

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 optimise 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.

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intelligent COnstruction

Leica iCON grade Intelligent Grading Systems

Leica iCON grade -Unrivalled Flexible Grading System

Leica iCON grade, the next-generation grade control systems from Leica Geosystems can revolutionise your construction process. It not only boosts your productivity and performance, it also offers a level of flexibility and upgradeability not available in other systems on the market today. Leica iCON grade can dramatically increase machine utilisation, productivity and optimise material usage on any earthmoving and fine-grading project. It can be used with a wide range of sensors and combines ease-of-use, unrivalled flexibility with very powerful and intuitive control software.

Unique PowerSnap Concept

The key to the Leica iCON grade system lies in our unique PowerSnap concept – a single docking station allowing easy and quick exchange of panels, depending on the job you need to do. Simply swap the 2D with the 3D panel or even transfer the panels between machines. Just snap the control panel into place and get to work.

Why be forced into buying a complete dozer or grader system for each machine in your fleet? iCON grade's unique Snap-on and Snap-off capability allows you to change from one configuration to another as the job demands.

For example:

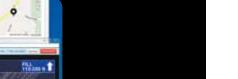
Running in 3D GPS mode today and 2D laser mode tomorrow? -

Just switch operating modes.

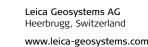
Using the grader one day and your dozer the next? -Just transfer the control panel to the other machine.

The cable-free control panels speed up installation and panel exchange on the machines – no more connectors or cables. Simply snap the panel on to the docking station and start operation!













Leica iCON grade Intelligent grading system

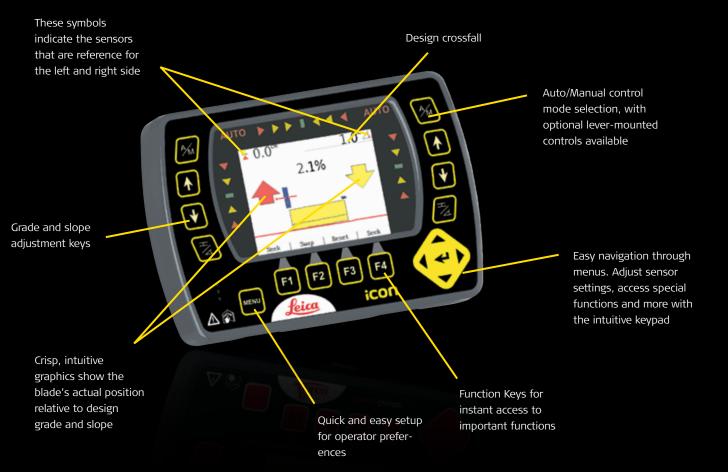
Leica iCON grade provides automatic control of both slope and elevation. Adding an extra mast and laser sensor even allows work independent of slope direction. The system is ideal for contractors who want to further increase their machine productivity working with easy-to-use, high accuracy grade control.

Fully upgradeable solution

The Leica iCON grade system is easily upgraded from basic 2D to full 3D capability. On the 3D panel, one option does not exclude the other and in case there is no GPS signal available you can continue in 2D with lasers, slope or ultrasonic sensors.

For 3D systems, which can seem to be both a considerable investment and technology leap, consider adopting gradually while staying in full control of your investment outlay. If you are not sure you want to take the whole investment today - consider buying a 3D ready control panel and upgrade only when it suits you. If you only need 3D for a short period we offer attractive rental packages for the GPS/Tracker as well as the 3D software only when you need it.

Leica iCON grade can be installed on machines from any vendor. It uses the industry standard Controller Area Network (CAN) to meet your needs of today and in the future. Add sensors easily and upgrade your system quickly to meet your specific machine and application requirements.



Operator friendly

iCON grade is quick to learn and easy-to-use. Operators require no previous computer experience.

Special features of

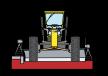
Leica iCON grade:

- Contact-free control/display panel
- Automatic Side-shift control for motorgrader moldboards with our unique Tri-Sonic technology. Works right off curbs, stringlines or 3D design models
- Automatic power down when the control panel is removed. Machine specific settings are permanently stored in the docking station
- Waterproof system designed for the harshest construction environments

Technical Data	
Leica iCON grade 32 panel	
Display:	3.5" TFT daylight readable colour screen 300 cd
Weight:	0,5 kg
Dimensions:	L 175 x W 125 x H 30 mm





















The **Leica iCON grade 42** system opens new dimensions in earthmoving and fine grading. The 3D system brings the design surfaces and alignments inside the cab. You are no longer dependent on stringlines, stakes or hubs. Work independently, and accurately, anywhere on the project design guided by GNSS/GPS system or iCON robot, Leica Geosystems' unique robotic total station.

Advanced 3D Grading System

Leica iCON grade 42

Versatile Software

Leica iCON grade 42 offers unique features designed to make your machine easier to operate, quicker and more profitable. Work with any design format, design slopes and pads on-the-fly, control the edge of the cut automatically, reduce material movements. Get it right, first time.



First-class after sales support & service

Comprehensive support is only a quick phone call away providing regional and nationwide service. You benefit from an extensive network of Leica Geosystems service centres and authorised Leica Geosystems

SP Technology

Contractors can now boost their productivity and performance even more while benefiting from new ways to use existing equipment. The innovative SP Technology opens new opportunities for dozers:

- Combining ease-of-use and unrivalled flexibility
- Highest precision at the fastest speed
- Faster results without losing accuracy
- Work at higher speeds

By using inertial guidance with the most responsive hydraulic control on the market, GPS performance is significantly enhanced. Machines equipped with SP Technology have reduced need for rework and increased uptime during poor GPS/GLONASS coverage or temporary interrupted availabilities of correction signals.



Special features of Leica iCON grade 42:

- One panel solution switch between 2D and 3D with the same panel
- Works with many current total stations and GPS sensors.
- Hold Slope feature allows precise crown cuts and extending past breaklines when needed. No more overcuts
- Automatic Side-shift control with our unique Tri-Sonic or 3D GPS/Tracker sensors
- Unique mast-tilt compensation no more rebenching your motograder blade between cut and fine-grading passes
- Create Reference surfaces with up to four slopes without needing a 3D design file
- Automatic power-down when the control panel is removed. Machine specific settings are stored in the docking station





exactly how you want to





