

Leica PowerGrade

Intelligent Grading Systems



Leica PowerGrade The uniquely flexible solution

Leica PowerGrade will revolutionize your construction process. It not only boosts your productivity and performance, it also offers unmatched flexibility and upgradeability.

Leica PowerGrade dramatically increases machine utilisation, productivity and optimise material usage on any earthmoving and fine-grading contract. It can be used with a wide range of sensors combining ease-of-use and unrivalled flexibility with very powerful and intuitive user interface.

The key to the Leica PowerGrade system lies in the unique PowerSnap concept – a single docking station allowing easy and quick exchange of panels. Just snap the control panel into place and get to work.

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. PowerGrade system remembers all your machine settings

Increased flexibility

- Unique Snap-on & Snap-off capability
- Easy removal of key components for overnight security.
- Fully scalable from basic 2D entry system to full 3D capability. Laser, slope, sonic, GPS and total station control options

Reduced costs

- Faster job cycles reduce operating costs
- Reduce labor costs by reducing or eliminating grade checks



- when it has to be **right**

Leica
Geosystems

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Unrivalled Flexibility

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

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

The Leica PowerGrade system is easily upgraded and fully scaleable from basic 2D to full 3D capability.

Automatic control of slope and elevation

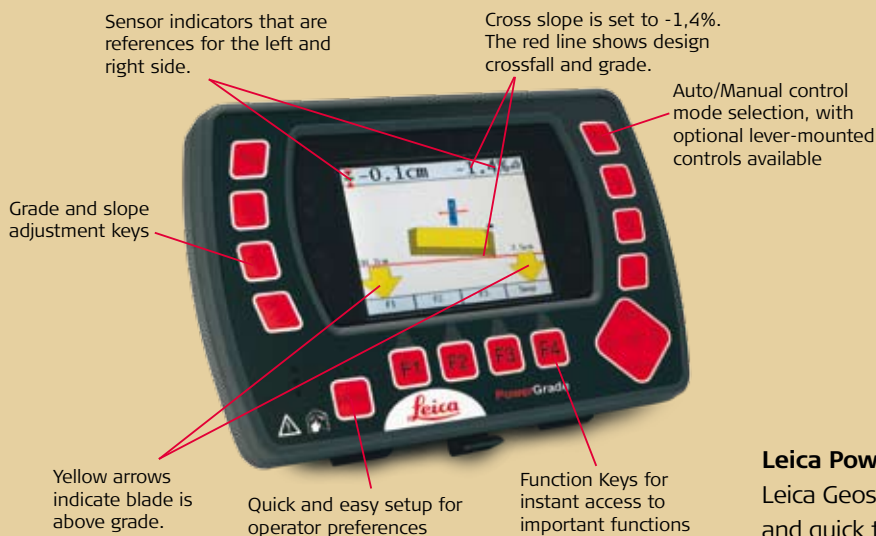
The Leica PowerGrade system provides automatic control of both slope and elevation. Adding an extra mast and laser sensor even allows work to be carried out independently of the slope direction. The system is ideal for contractors who want to further increase machine productivity while working with an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

More advantages of Leica PowerGrade:

- Contact-free, sealed control/display panel – no more connectors or cables

Technical Data	
MCP 1300 2D-Panel	
Display:	3.5" TFT colour screen 300cd
Operation temperature:	-20° C – +60° C
Sealing:	IP67
Weight:	0,5 kg
Dimensions:	L 175 x W 125 x H 30mm
Docking station	
Electrical input:	10 – 24V (via junction box)
IR communication:	1 Mbit
Supply:	ON/OFF switch for power control of the entire system
2 x CAN:	Junction box and J1939
Serial output:	2 x RS232. RX, TX, 12V/2 amp, GND
Operation temperature:	-20° C – +60° C
Sealing:	IP54

- Fully graphic display guiding the operator
- Easy installation typically within one day minimizing machine downtime
- Automatic side-shift control for motorgrader moldboards with the unique Tri-Sonic technology. Works right off curbs and stringlines!
- Automatic power down when the control panel is removed. Machine specific settings are permanently stored in the docking station.
- Fully Waterproof system – designed for the harshest construction environments



Leica PowerGrade Docking station

Leica Geosystems' unique PowerSnap concept allows you easy and quick transfer of panels from one machine to another. Simple. Time-saving. Offering maximum flexibility in use.

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