

# Leica SP Technology

## Total precision, any environment



### The SP Technology just got Better.

**Leica SP Technology opens new opportunities for grading with your dozer. It brings unmatched speed and precision to your jobsite. Now SP Technology is available for use with GPS and total station based machine control systems, enabling increased productivity in any environment.**

#### **SP Technology – Bringing you faster results**

Providing improved hydraulic control that allows faster grading without loss of precision at higher speeds, dramatically increasing machine utilization and productivity. Dozers can now take on even more fine grading jobs, allowing contractors to complete their work with fewer machines and helping them to finish their projects ahead of schedule and under budget.

#### **High precision attainable at higher speed**

By using inertial guidance with highly responsive hydraulic control, grading performance is significantly enhanced. SP technology reduces the need for rework and increases uptime during poor GPS/GLONASS coverage or temporary loss of correction signals. It also reduces influences of line-of-site interruption when working with a Leica PowerTracker total station. This allows for consistent and precise grading

even under the most difficult conditions. Maintain full speed, accuracy and productivity on challenging job sites such as deep cuts, urban canyons, mountainous or hilly terrain, and heavily wooded areas.

#### **Key Benefits**

- Machine utilization and productivity is dramatically increased.
- Allows you to grade faster while maintaining precision.
- Reduced need for rework and increased uptime during poor GPS/GLONASS coverage.
- Dozers can do even more fine grading jobs resulting in less heavy equipment needed on site.
- Fast and precise grading even on challenging job sites.
- Dozers using PowerTracker can be operated at the same speed as when using GPS.

- when it has to be **right**

**Leica**  
Geosystems

# SP Technology – setting new standards

## Achieve excellent results in any environment

Your work environment never stays the same. Thus you need a tool that covers all conditions. Leica SP Technology provides you precision at high speeds regardless of the environment you find yourself working in.

Cutting a new road through a forested area or grading a building pad surrounded by high rises in the centre of a city? A total station based machine control system allows you to keep working with your 3D system when GPS is not useable.



Grading a new section of highway through Big Sky country? Replace a few system components on the machine and setup your base station or work from a network, whatever you want to do, and you're off and running.

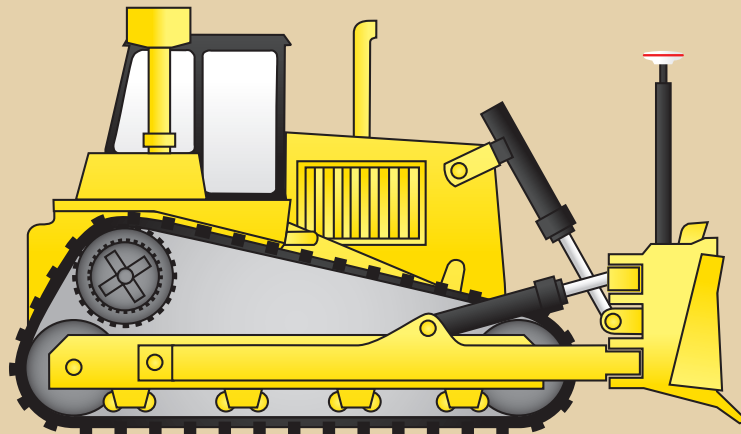
At Leica Geosystems, we understand contractors' work changes everyday and you need to utilize your machines in different ways. We develop products that give you the freedom to choose where and how you want to use your machine.

## Increased value of existing hardware

SP technology is an available option to the PowerGrade platform. Along with the unique PowerSnap concept, which allows easy and quick exchange of machine control panels, customers have unrivaled flexibility and speed. Now with SP technology they work faster than ever before starting with the very first centimeter.

## System components

Leica PowerGrade 3D Panel



PowerTracker (Option for GPS)



PowerSnap Cradle



SP14 Sensor



GNSS/GPS Antenna



For further information on SP Technology, visit [www.leica-geosystem.com/sp](http://www.leica-geosystem.com/sp)

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**Total Quality Management – our commitment to total customer satisfaction.**

Ask your local Leica Geosystems dealer for more information about our TQM program.

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