

## Why You Need Machine Control Technology

**Leica** Simply stated, increasing profitability through cost control is one of the major driving forces behind the adoption of machine control technology by construction contractors. If you can achieve grade in two or three passes instead of seven or eight, you spend less money. You spend less on labor. You burn less fuel. You lower stack gas emissions, so your projects are “greener.” Best of all, your construction company can compete more effectively.

At Leica Geosystems, we understand what machine control technology can do for you. That’s why we’re a leader in the digital jobsite movement. But you don’t have to believe us. Just consider what our customers are saying:

Jeff Flynn, co-owner of Flynn Co. Inc., a Dubuque, Iowa, concrete paving contractor, has embraced machine control technology as part of his business and is now reaping the benefits. “We realize that stringless technology is the future of concrete paving and we want to be part of it,” says Flynn. That’s not just talk from Flynn, who has invested nearly \$300,000 in Leica Geosystems machine control equipment for a mainline concrete paver, two grade trimmers, a motor grader and a dozer.

Flynn is convinced that Leica Geosystems machine control equipment pays for itself by eliminating not only the labor and cost of stringline, but the little variables that are intrinsic to the stringline process. “Those little variables add

up to a “monster benefit. For example, if a stringline pin is set near a soft spot in the haul road, the concrete trucks can pump the haul road at that location and throw the stringline off grade. With machine control technology, that doesn’t happen,” he concludes.

Or consider grading contractor Bernie Schmidlein. He recently spent just over \$60,000 for an automated grader control system from Leica Geosystems, and he’s glad he did. Schmidlein put the system to work on a 31-acre tract of land that his crews graded for a Home Depot warehouse in Topeka, Kansas.

To use a trimmer, stringline and surveying hubs would have taken “three or four times longer,” Schmidlein says, than the scant 45 hours he spent fine grading the 10.5-acre building pad. In fact, he says the automated control system – a Leica PowerGrade 3D system – will pay for itself in just two projects like the big warehouse job. “Our whole grading process is much more efficient with the Leica system,” says Schmidlein.

Or consider Andrew Hackett, the president of Ocean Breeze Construction. Working under a \$3.7-million subcontract, Ocean Breeze reshaped a 14-foot deep by 125-foot wide drainage canal in Florida. Two long-boom excavators, each fitted with PowerDigger 2D excavator systems from Leica Geosystems, handled the clearing, channel excavation, embankment fill and final grading.

The excavation systems display the bucket position relative to the desired slope on a color screen. In this application an excavator operator often finds himself working with the bucket underwater, so the Leica system enables the operator to “see”, in real time, where the bucket is at all times, says Hackett.

“Where with the manual surveying methods we could excavate 200 feet per day, with the PowerDigger 2D system we can do 400 feet per day with one excavator,” he says. “It doubles our production.”



- when it has to be **right**

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### Leica Geosystems

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