



"Your Partner in the Field"

BUTLER SURVEY SUPPLIES LTD.

Work faster and smarter... with MACHINE AUTOMATION

Machine automation has brought revolutionary changes to the construction industry. Never before has so much work been accomplished, so quickly, and all while the industry is suffering a severe labour shortage.

The **Leica GradeSmart**, with its interchangeability between different machine types, is an example of this automation. Kevin Nichol of Keystone Excavating, a leading edge Calgary construction company, comments about their experience with 3D machine control. "Since using machine control, we have noticed an increase of approximately 35% in productivity for fine subgrading and gravel installations. Our quality in grades has improved, which has a direct effect on the accuracy of the amount of aggregates being installed. No overages is

money in the bank. We really noticed the difference on our first project, a five acre graveled lot. After a rain storm there wasn't a single puddle on the site. Using the automated control system definitely improved the quality of our work and saved costs on time and materials."



The **Level Best 2D Grading Box**, which can be pushed by a skid steer or pulled by a tractor, is another example of an efficient, time saving, product. Les Elias, also of Keystone Excavating,

commented that this product has significantly improved the way Keystone Excavating fine grades both small and large commercial building slabs. They have nearly doubled their productivity and reduced labour requirements for these projects. "This grading box paid for itself very quickly," said Les, "Our finished slab prep grading is very accurate, better than we have done before."



"During our introduction to 3D machine automation, Butler Survey Supplies Ltd. has delivered, installed, supported and trained our Keystone Excavating staff well, allowing us to utilize this product effectively."
(Les Elias, Keystone Excavating)

Where would **Leica GradeSmart** be used?

- Residential sites
- Commercial sites
- Roads and highways
- Airport runways
- Sports fields
- Golf courses
- Rough grading
- Finish grading

Key Features of the **Leica GradeSmart**

Mast Tilt: *Leica unique feature*
A sensor compensates for mast tilt when computing blade cutting and spreading angles for the operator. This Leica technology really shines when driving up or down an incline or slope - the mast is tilting but the cutting edge maintains a very accurate position. No other manufacturer can maintain this accuracy under a vertical rise or drop in incline (refers to GPS).

Side Shift: *Leica patented feature*
This feature allows for more accurate grade edges through automation of lateral movements of the blade. When grading around a corner the blade can side shift horizontally to maintain a more accurate grade edge than the competition.

Hold X Slope: *Leica unique feature*
This feature allows the operator to maintain a slope across break lines for flexible grading.

- when it has to be **right**



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