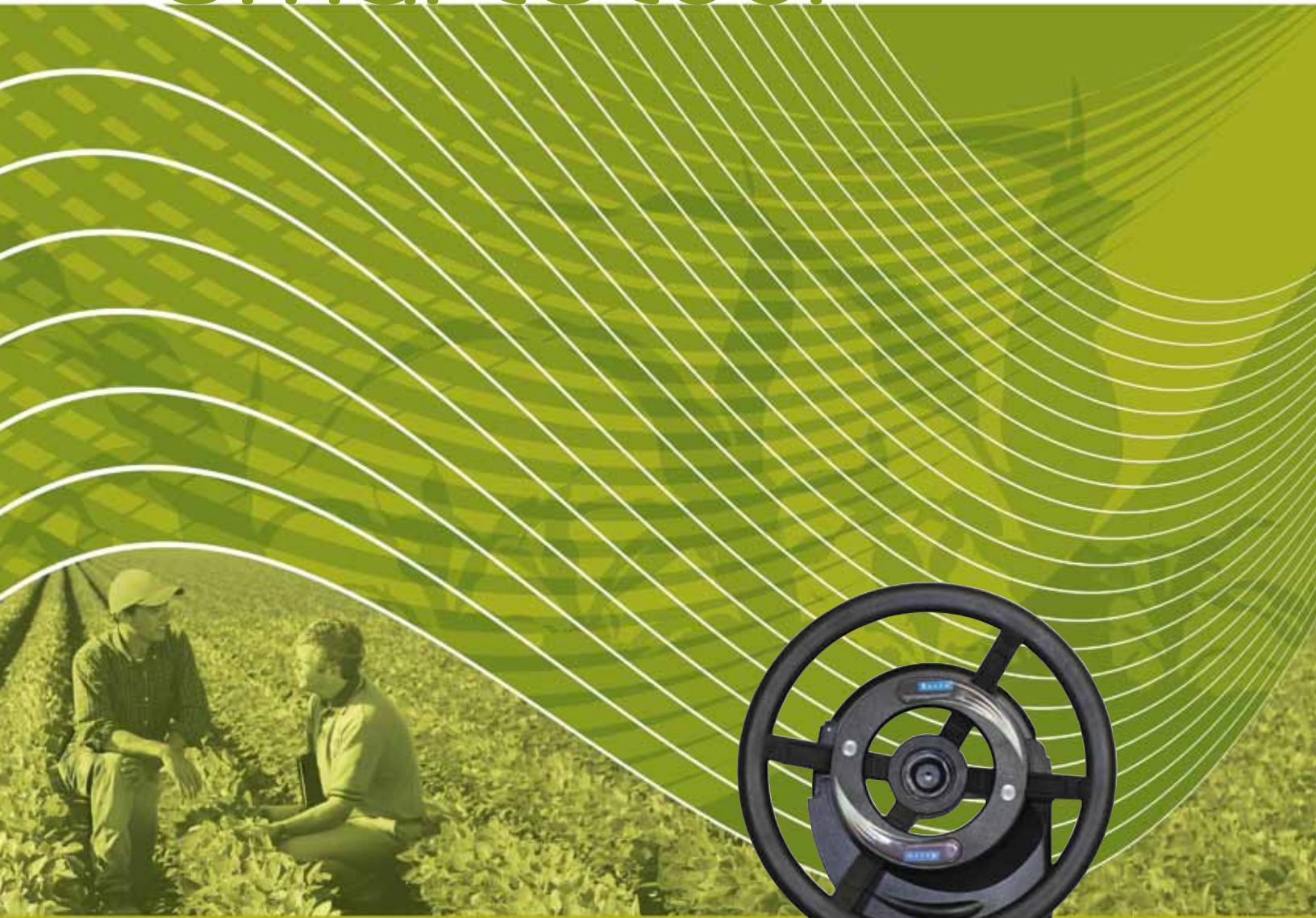


RAVEN

Simply improving your position.SM

SmartSteer™



Assisted steering made portable and affordable.

SmartSteer™



SmartSteer assisted steering takes the stress out of driving and helps you improve your operating efficiency and performance at the same time. This affordable, simple-to-install assisted steering system is intelligently designed to keep you on

line all day long with convenient hands-free driving—and that's a smart choice in any field.

Superior accuracy by design. SmartSteer's direct gear drive is vastly superior to the friction wheel designs found on other assisted steering systems, eliminating unwanted slippage and pinching for improved accuracy and reliability.

Simply more mobile. SmartSteer is intelligently designed so you can move its mechanical drive unit and advanced yaw sensor/control node quickly from one vehicle to the next with a simple transfer kit. You don't even have to take the steering wheel off—and the sensor/control node fits neatly out of the way in any cab.

Peace and quiet. Engineered for excellence, SmartSteer is one of the quietest assisted steering products on the market. No matter how many hours you spend behind the wheel, you'll appreciate the quiet sound of SmartSteer every time you drive.

Money in the bank. With automatic system calibration and line acquisition, SmartSteer is like money in the bank—and that makes it a smart investment on any farm.

Driving advanced improve your

SmartSteer assisted steering is a smart choice when it comes to improving your bottom line. It's fast, affordable and simple to use.

Faster operating speeds get you in and out of the field in record time—and make it possible for you to relax as you cover more ground with faster, more efficient applications.

Direct mechanical gear drive eliminates slippage and delivers more accurate tracking from start to finish. SmartSteer's robust, high-torque motor also keeps you on line even as soil conditions change.

Compatible with Raven guidance systems and field computers for maximum flexibility and convenience. See details on back.



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Features that simply bottom line—hands free.

Quick steering disengagement the moment you take the steering wheel. No buttons to push or switches to flip. Simply grab the wheel and you're in control.

Foot-pedal steering engagement is convenient and keeps your hands free for other operations.

Superior housing and gear design significantly reduce background noise for near-silent running, more streamlined operation—and a better in-cab environment all around.

Smart controller module allows you to program all steering functions and settings on your Raven Cruizer guidance system or your Envizio Pro and Viper Pro field computers.

Four field patterns to choose from for enhanced performance—straight A-B, fixed curve, pivot and enhanced last pass.

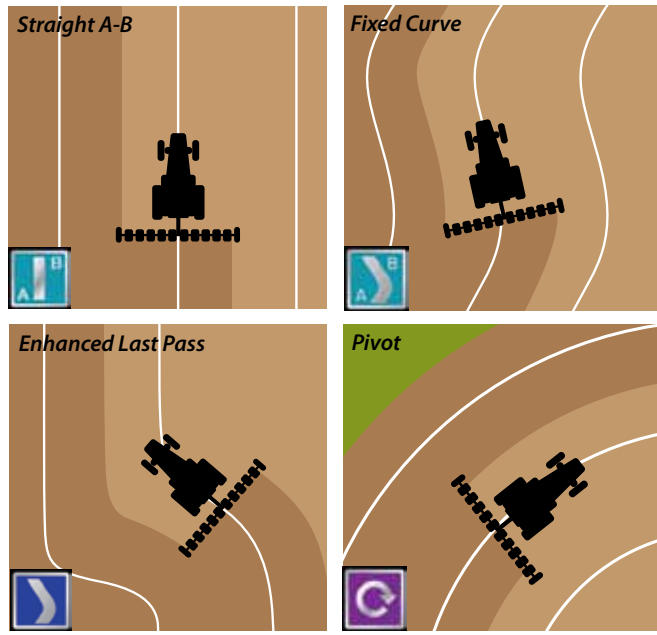
Automated system calibration simplifies startup and does all the figuring for you. No more headaches or tinkering—and with Raven's easy-to-follow Setup Wizard and automatic system calibration, you can be up and running in no time.

3-D terrain compensation automatically corrects for roll, pitch and yaw in rough terrain for uninterrupted accuracy and precision.



Convenient collar mechanism clamps around the steering column without your having to remove the steering wheel, making it simple to put on and simple to take off—a welcome feature when moving SmartSteer assisted steering from one vehicle to the next.

SmartSteer assisted steering gives you your choice of four field patterns for faster line acquisition, higher operating speeds and more relaxed, stress-free driving.



Field computer and guidance selections for SmartSteer™



Raven's highly portable Cruiser™ and Cruiser II™ guidance systems offer the ideal control interface for SmartSteer assisted steering with their built-in 10 Hz DGPS receiver and a large, high-resolution touch-screen display. With Cruiser/Cruiser II, you manage your SmartSteer settings and controls with the same convenient touch-screen display—a significant advantage over other systems that require separate control panels for guidance and steering. Now available with wireless technology.



Raven's Envizio Pro™, Envizio Pro II™ and Viper Pro™ multi-function field computers are also excellent pairing options for SmartSteer, giving you more opportunities for improved efficiency and performance. With Envizio Pro, Envizio Pro II and Viper Pro field computers, you can easily add boom height and section controls, application controls and planter controls to your new precision-based system.

Your Raven dealer and Precision Ag Specialist can help you decide which Raven field computer and guidance system are best for your operating needs.



SmarTrax™/SmarTrax RTK™: The next step up.

When you're looking for enhanced high-speed operation and faster line acquisition than even SmartSteer can provide, SmarTrax and SmarTrax RTK auto-steering are the next step up. SmarTrax and SmarTrax RTK are hydraulically controlled systems that offer a greater range in correction for "harder" turns when needed—and can respond more quickly to changes in soil condition and implement pull for greater accuracy.

FIELD COMPUTERS

GUIDANCE & STEERING

APPLICATION CONTROLS

BOOM CONTROLS

PLANTER CONTROLS

Raven Industries

1-800-243-5435

RavenPrecision.com

Raven Industries-Canada

1-800-793-2155

RavenCanada.com



Raven: Simply improving your position.SM

Adding Raven to your operation brings an unequaled brand of precision agriculture innovation and performance to your farm.

Imaginative products that are relevant and reliable. A thoughtful approach to solving problems unique to agriculture. Seamlessly integrated systems that simply work — simply.

An incredible depth of human resources: On-the-ground service from Raven Precision Ag Specialists; our customer-oriented product development and support staff; and your local Raven dealer or distributor.

Raven offers a powerful and profitable product portfolio — targeted precisely on what matters most: Reducing input costs. Increasing yields. Saving time and labor. Making better decisions. Enhancing environmental stewardship. Achieving your financial objectives.

It's all about improving your position. Pinpointing exactly where you are in your field. Applying best management practices to grow more with less. Helping you meet challenge, cope with change and capitalize on opportunity. Strengthening your balance sheet.

If you want to farm better, smarter and more profitably, discover Raven. Because improving your position is our highest priority.