



**Precision
 & Flexibility**

With PSR, the choice of precision components is yours, you can mix and match brands to fit your operation's needs. The flexibility can allow you to save money by using components already owned.

**Proven
 Reliability**

Reichhardt's experience in demanding conditions with multiple OEM's requires quality. This quality is tested extensively before products are ever released. Dealers state that reliability and durability of Reichhardt products is second to none.

**Customer
 Support**

Reichhardt engineers and support staff spend time in the field so the customer's ideas become reality and customer input creates a better product. Extensive dealer training and access to Reichhardt resources allow for maximum up time.

OEM Solutions Provider

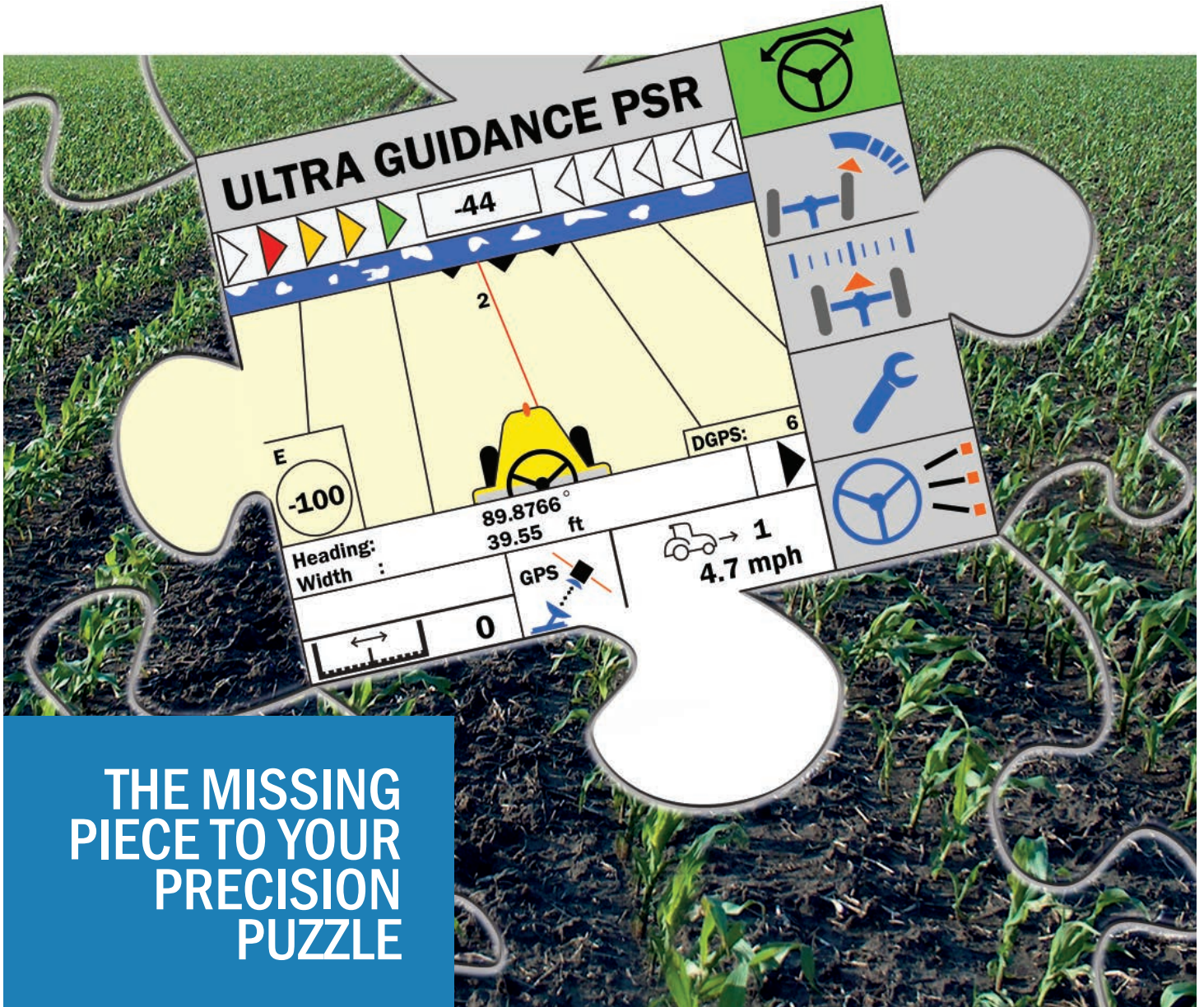
Reichhardt meets OEM challenges with unique solutions. Engineering and in the field experience create real world success.



REICHHARDT®

electronic • innovations

PRECISION & FLEXIBILITY
FOR GUIDING YOUR EQUIPMENT



THE MISSING
PIECE TO YOUR
PRECISION
PUZZLE

Reichhardt Receivers

A101 GPS Receiver

- 10 Hz Update Rate
- Free correction service

PSR SKY WAAS

Accuracy +/-10"

A325 GPS Receiver

- 10 Hz Update Rate
- WAAS, Omnistar, RTK, GLONASS capable

PSR SKY OmniSTAR

Accuracy 1"-2" short term accuracy
Accuracy +/-4" long term repeatable
OmniSTAR HP, XP or G2 (with GLONASS)

- Improved correction for a fee

PSR SKY RTK (Network)

Accuracy <2" or better for repeatable applications

- Requires cellular data plan
- Uses correction via modem/GPRS



RTK CLUE

Link RTK bases into a cluster

Mix and match components for your needs or choose components offered by Reichhardt:

- RTK receivers for base and rover
- RTK CLUE Caster and Management Services
- Verizon or Global NTRIP modem
- Wireless data plans

Pilot System Reichhardt (PSR) offers steering integrated hydraulics and electronics for Flexibility is found in the compatibility with

System Core Components

Input – GPS or Sensor:

Use a GPS receiver sourced from Reichhardt or use multiple brands of GPS receivers on the market. PSR is capable of sensor input via ultrasonic, mechanical or synthetic tactile feelers.

Controller:

PSR iBox processes the GPS or sensor input to control the vehicle.

User Interface:

Operate the system with any compatible ISO Virtual Terminal (VT) Display.

Output – Hydraulic or Electric:

Control the machine via ISO or proprietary steer-ready CAN messages, directly driving Reichhardt sourced or various 3rd party valves, or installation of a Reichhardt sourced or various 3rd party electric steering motors.



ISO VT



iBox Controller

GPS Guidance

The Reichhardt guidance system is capable of reading GNSS Serial (NMEA-0183) or CAN (NMEA-2000) message formats, which are used by the majority of receivers on the market. This allows the use of many different brands of receivers with no compromise to the correction data. The use of WAAS, OmniSTAR HP, XP, RTK via radio or a CORS network are all possible.

Multiple GPS Patterns:

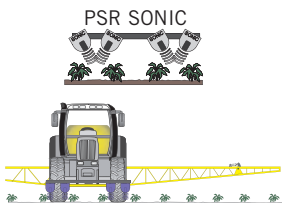
Parallel Guidance:

- A/B
- A+Heading
- Lat/Lon
- Lat/Lon+Heading
- 200 line storage with naming rights

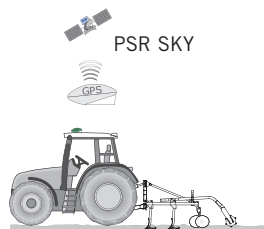


Pivot Guidance:

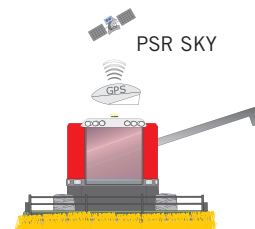
- Circular Lines for irrigation
- 50 line storage with naming rights



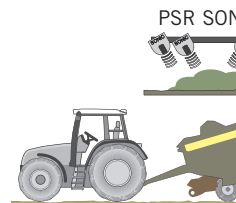
Spraying work in tramlines



Soil cultivating and seeding



Combining



Baling

ng through your machine's ISOBUS using the
 r maximum reliability, safety and precision.
 h multiple GPS receivers and ISO terminals.

Sensor Guidance

PSR SONIC
 Guidance by ultrasound

The vehicle or implement is guided by use of ultrasound measuring distance from a tramline, row, hill, marker track or wheel track.



Sonic sensors guide the implement at the same level of accuracy as the tractor and reduce side hill drift.



PSR MEC
 Guidance by mechanical sensor

Sensor guides off sugar beets or potato hills to control the vehicle.



PSR TAC
 Guidance by tactile sensor

Durable synthetic sensor guides from the corn or cotton plant to control the vehicle.

FOLLOW
 the rows regardless of planting conditions
MONITOR
 the machine for higher performance
REDUCE
 operator fatigue



Benefits of TAC for combining:

- Maximize bushels harvested by minimizing header loss
- Concentrate on the auger and cart for safety
- Harvest down corn with accuracy



Benefits of TAC for nitrogen application:

- Reduce crop damage
- Cover more acres in less time
- Follow rows regardless of wind conditions

Three ways to install:

PSR ISO

- Guidance via ISOBUS
- For vehicles that are already set up by the factory for ISO-BUS-steering
- Plug & Play – simplest installation



ISOBUS Steering

PSR hBasic

- For all kinds of hydraulic systems
- Wheel angle sensor standard
- Quick-response

PSR eBasic

- Steering via electric steering motor (for example RDU2)
- Adapters available for integration of 3rd party steering motors



RDU2

