

Reduce Complexity

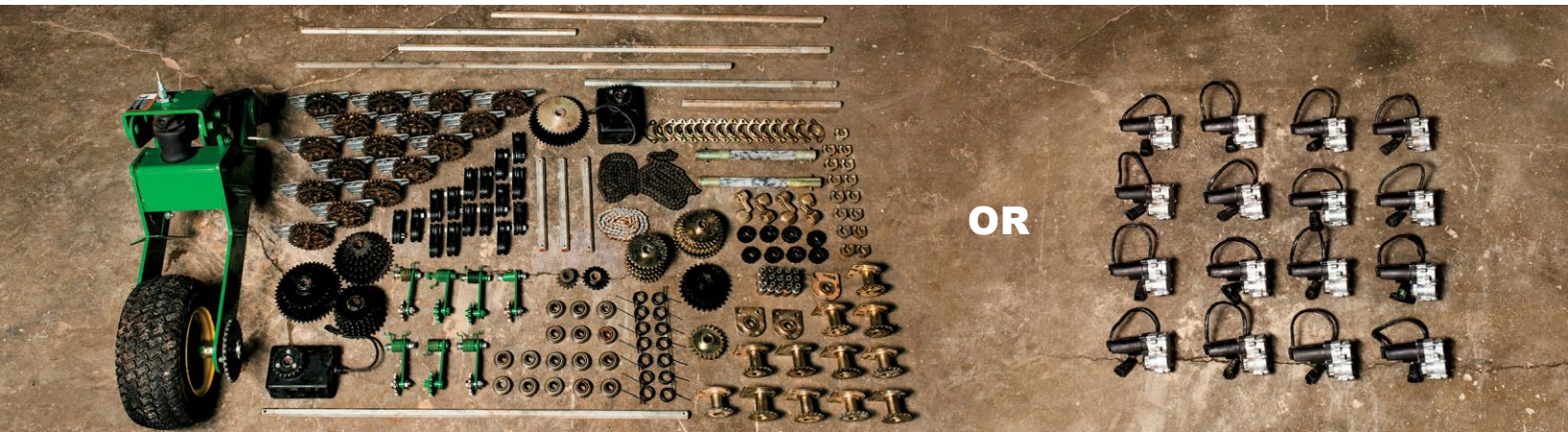
Today's standard drive systems are complex, made up of 138* parts that must work together perfectly to position your seed for success. Even with a well-maintained planter, every one of those parts in the system increases your risk of planting errors. Planting your crop is the most important thing you will do each year. You've picked the right hybrids, the right population, the right fertility plan. Do you want to risk all that on the performance of 138 interacting parts?

Drive Systems Can be Complicated

Ground and hydraulic drive systems are comprised of chains, sprockets, clutches, hex shafts, and bearings. It just takes one of these parts to fail to impact your planter's performance. You could have a kinked chain, a slipping drive wheel, a worn-out bearing, a failed clutch, or any number of issues that would result in poor singulation, spacing, or population.

vDrive is Simpler

vDrive replaces these 138 parts with 1 simple electric motor on each row, minimizing your risk and maintenance during planting.



Learn more at pssag.com



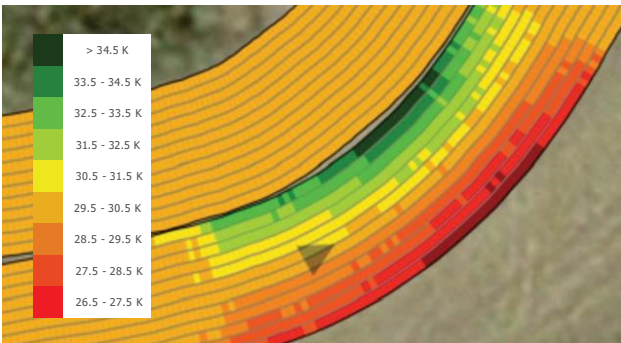
See The Difference

In this study, ears were harvested from 1/1,000 of an acre from the inside of the curve, the outside of the curve and the middle of the curve planted with a planter equipped with a hex shaft.

The outside of the curve had a 69.5 bu/A loss and the inside of the curve had a 51.5 bu/A loss. The center had a large gain in yield since it was planted at the correct population and spacing. vDrive accommodates for this issue around curves, adjusting population on each row to match the speed of the row.



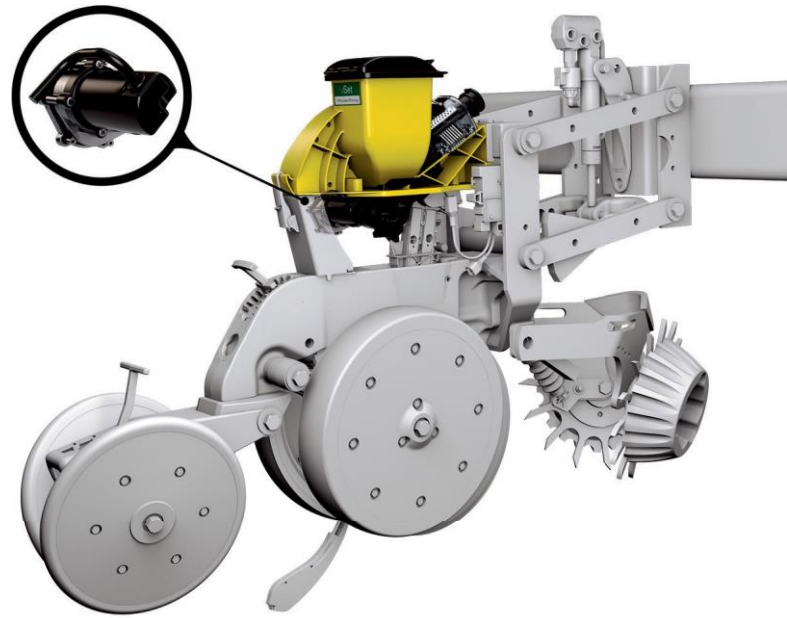
Inside of the curve showing how close plants are planted together yielding a 51.5 bu/A loss.



Climate FieldView™ map showing the population difference between vDrive's turn compensation and a typical ground driven system.



See the difference in spacing that occurs without turn compensation on a planter and how that impacts yield.**



Specifications

ROW UNIT

CASE IH® 1200/12X5/2000
HARVEST INTERNATIONAL® LaserPro JOHN
DEERE® 7000/7100/7200/7300/17XX
DB/17X5
KINZE® 2000/3000/4900

EXCEL Agriculture
Design and manufacture of agricultural machinery

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www.ndf.com.au

BOSS
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POWER REQUIREMENTS

1.25 Amp/Row
2.25 Amp/Row with DeltaForce®
an alternator option is available

MOTOR ASSEMBLY

12V DC electric motor
gearbox
motor speed sensor
vDrive Module (VDM) in a sealed housing



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