

Because Your Pivot is Made for More.



## We See Things Differently.

You may see a pivot as the necessary tool to water crops for greater yield potential. True as that is, we know it's made for more and it's only as smart as the technology you put into it.

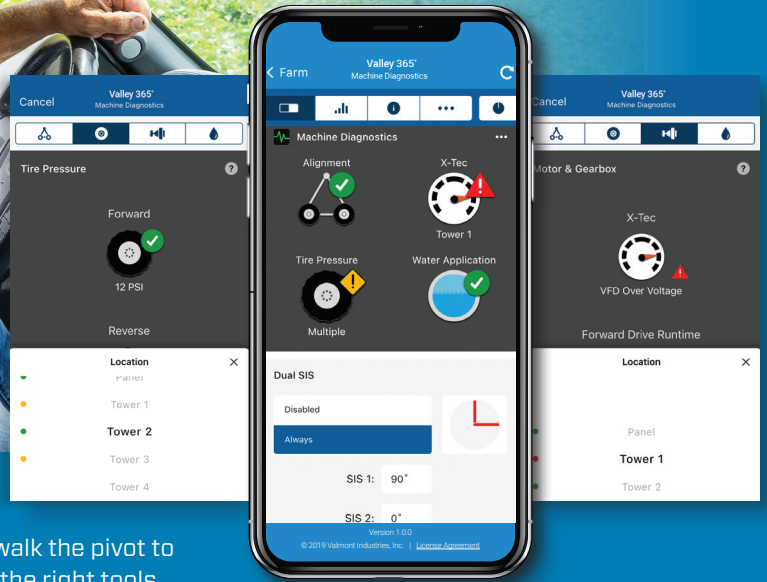
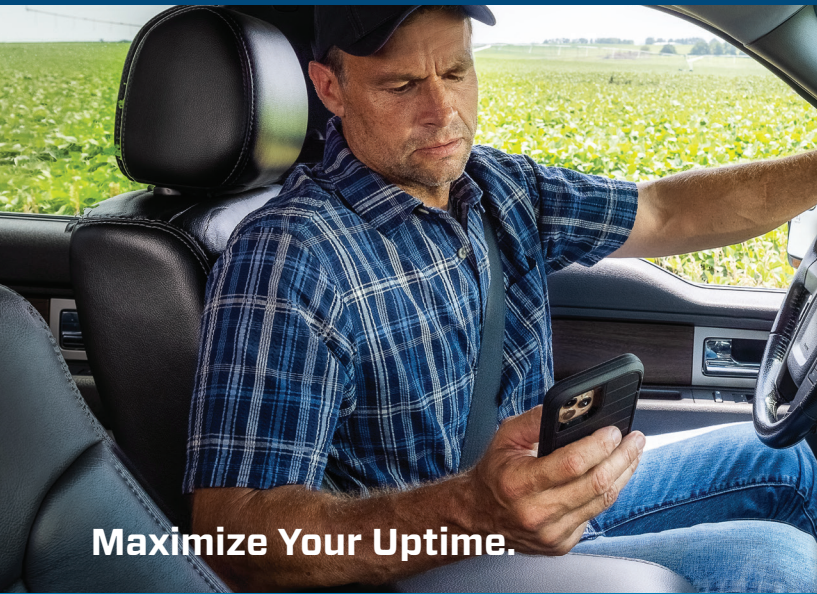
Machine Diagnostics, the newest innovation from Valley Irrigation, is now available when you connect to Valley 365<sup>®</sup>. This industry-leading technology provides detailed insight and alerts to changes in pivot performance and health. Through sensor driven technology, you can optimize the health of your pivot as it pinpoints the exact location of a fault related to alignment, tire inflation, motor and gearbox, or water application.

## Features:

- Know which tower is out of alignment even before arriving at the pivot.
- Stay informed of tire pressure status at each tower.
- X-Tec<sup>®</sup> fault detection alerts with status details help minimize troubleshooting downtime.
- Monitor your pivot's water pressure at each tower to assure uniform application in varying terrain.



# Valley 365<sup>®</sup> Machine Diagnostics



## Maximize Your Uptime.

Machine Diagnostics monitors key components of the machine and sends an alert directly to your device when an issue occurs so you can maximize your uptime. No one wants to walk the pivot to see which tower is out of alignment or discover a flat tire without the right tools. Choose what you want to monitor based on your machines and needs.

### ALIGNMENT

One tower that's out of alignment can cause difficulties with the entire pivot. You'll receive an alert that lets you know which tower needs attention, saving you time during the troubleshooting process.

### TIRE PRESSURE

Receive notification when and where a tire loses pressure or goes flat. Take action when a tire becomes low by stopping the pivot in an accessible part of your field. In case of a flat tire, configure your machine to automatically shut down to avoid drive train component damage.

### MOTOR & GEARBOX

Monitor individual drive train run time to keep track of key maintenance intervals at each tower. When paired with the X-Tec (high-speed) motor, Machine Diagnostics will alert you of any X-Tec related faults with status details to help minimize troubleshooting downtime.

### WATER APPLICATION

Pivots require the right water pressure for proper water application over an entire field. Problems at the pump and uneven terrain can prevent your pivot from doing its job effectively. Machine Diagnostics will notify you immediately when and where to adjust.

## Optimize Your Pivot for Machine Diagnostics

Technological advancements require the ability to connect machine components and remote capabilities.

In addition to Machine Diagnostics hardware, you'll need:

### Valley 365<sup>®</sup>

Machine Diagnostics is just one of the features available on Valley 365. You will receive alerts on your smart phone or other device through Valley 365.

*\*Limited availability. Restrictions may apply.*

### ICON<sup>®</sup> smart panel

The technology behind Valley 365 is linked to our ICON<sup>®</sup> smart panels. You can set up any pivot brand with Valley 365 and Machine Diagnostics if it's equipped with an ICON smart panel.

To receive Motor & Gearbox Alerts, you'll need:

### X-Tec<sup>®</sup> HS (high speed) Motor

With X-Tec HS, your gearbox and drive train move at speeds 10x faster than a standard motor, which is why Machine Diagnostics is especially important.