

COUNTER-FLOW GRAIN DRYING SPECIALISTS

SHIVERS[®]

COMMAND CENTERS AND CONTROLS



FULLY AUTOMATED CONTROL OF GRAIN DRYING OPERATIONS

COMMAND CENTERS AND CONTROLS



THE MOST ADVANCED DRYER CONTROLS IN THE GRAIN DRYING BUSINESS.

THE COUNTER-FLOW DRYING ADVANTAGE.

Higher quality grain, higher test weights, more savings.

The Shivers Performance System uses a highly efficient counter-flow drying process that works by forcing heated drying air up through a perforated drying floor inside the bin and into a drying zone bed of grain ranging from 3 to 8 feet deep.

Heated air continues to move upward through the grain – counter to the grain flow, which is moving down – warming grain and removing moisture as it rises. Saturated air is then exhausted out of the top of the bin.

As grain reaches the pre-set transfer moisture level, Shivers tapered sweep augers remove an even layer of grain from the bin floor, allowing new layers of wet grain to continually move down into the drying zone.

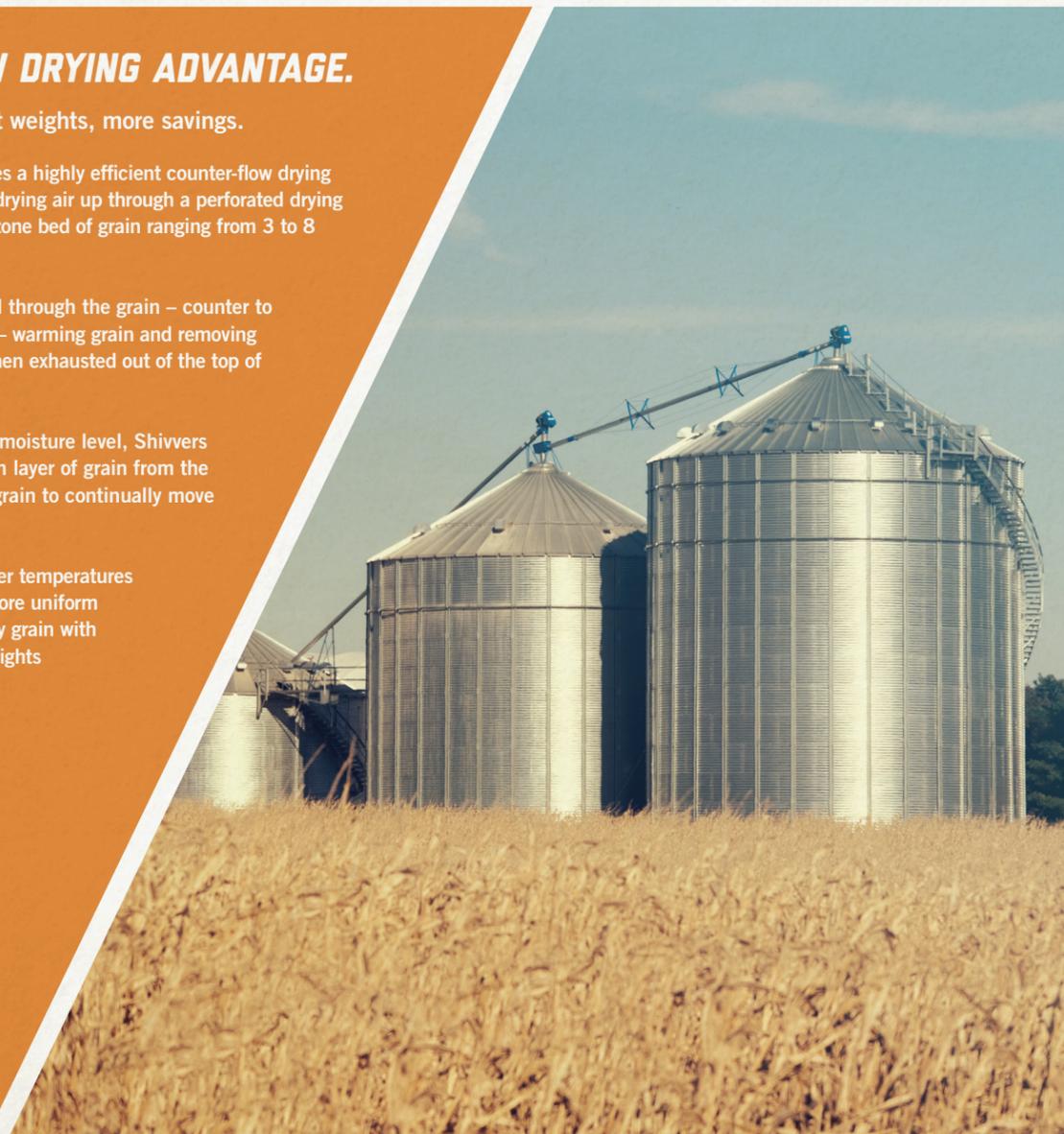
The counter-flow process requires lower temperatures and less fuel than other systems. A more uniform drying process results in higher-quality grain with less stress damage and higher test weights

COUNTER-FLOW DRYING

Drying grain moving down



Drying air moving up



SET-IT-AND-FORGET-IT DRYING TECHNOLOGY.

Shivers offers two state-of-the-art Command Center options, including the Premier® and CompuDry® Command Centers. Each delivers fully automated – unattended – control of grain drying operations from one location. Unrivalled computer precision combined with the unique Counter-Flow operation allow operators to dry a variety of crops, including corn, wheat, canola, soybeans, rye and many more.



HERE'S HOW IT WORKS

Shivers Command Centers allow the operator to simply set their desired drying parameters and get back to harvest. The Command Center then activates the Shivers fan and heater, warming air in the plenum created by the raised grain floor. Using a series of sensors placed throughout the drying system, the Command Center maintains constant communication with the heater throughout the drying process, making automatic adjustments to ensure grain is dried to match your pre-set drying specifications.

As grain reaches the target transfer moisture content, the Command Center automatically engages the continuous-flow grain removal process, transferring dried grain to storage. If sensors detect grain that has not yet reached preset transfer moisture content, grain is automatically suspended in the drying zone until conditions are met. If the Command Center detects a threat that overdrying may occur, it automatically adjusts plenum temperatures or activates the grain removal process, ensuring peace of mind that grain is properly dried.



AUTOMATIC, ACCURATE AND UNATTENDED

Easy to program and convenient to use, Shivers Command Centers are designed to work around-the-clock – 24 hours a day, seven days a week – to deliver the best quality in every kernel you dry.

CHOOSE THE SETTINGS YOU WANT, THEN FOCUS ON HARVEST WHILE YOUR COMMAND CENTER DOES THE REST.

CHOOSE FROM TWO AUTOMATED DRYER CONTROL OPTIONS.

PREMIER® COMMAND CENTER

THE PREMIER AUTHORITY IN GRAIN DRYING TECHNOLOGY.

Premier® Command Centers feature advanced touchscreen technology, providing true fingertip control over the entire drying process. Enter your desired drying settings with easy step-by-step procedures and then relax – the Shivers Premier Command Center will do the rest. Preconfigured settings are also available, allowing operators to select a grain type, ensuring maximum precision and convenience.

The Premier Command Center provides more than just comprehensive and automated control over the drying process. An on-unit display also serves as a dashboard to easily monitor critical drying conditions, including ambient weather and relative humidity conditions supplied by the Premier's optional weather station add-on. Diagnostics can be viewed on-screen through the Premier's digital tape strip. The Premier also provides transfer and storage management functionality — allowing the operator to specify the storage location following the drying process.

Premier Command Centers are preconfigured to connect with the Shivers Link Remote Management System, allowing anywhere, anytime, remote control of your drying operation. Achieve total control with the optional StorageLink package, allowing you to remotely monitor both your drying and storage operations.

SELECT FROM MULTI-CROP DRYING CONTROL OPTIONS



COMPUDRY® COMMAND CENTER

ENJOY THE CONVENIENCE OF AUTOMATIC DRYER CONTROLS.

The CompuDry Command Center provides comprehensive management over your Shivers system via analog controls. Featuring Shivers set-it-and-forget-it technology, just set your desired drying specifications and get back to harvest — the CompuDry will do the rest.

Diagnostics can be viewed on a printed tape strip, while analog dials and switches allow for adjustments. When grain reaches your pre-set drying specifications, the CompuDry automatically engages continuous-flow operation and dried grain is moved to your desired storage location.

While Shivers Link Remote Management functionality is not standard on CompuDry Command Centers, it can be equipped — allowing you to monitor drying conditions from anywhere.



PREMIER AND COMPUDRY COMMAND CENTER COMPARISON

Feature	Premier®	CompuDry®
Controls	Touchscreen	Analog
Diagnostics	On-Screen Dashboard and Digital Tape Strip	Printed Tape Strip
Up to Three Fan/Heater Controls	✓	✓
Multi-Crop Drying Functionality	✓	✓
Set-It-and-Forget-It Drying Technology	✓	✓
Automatic Overdry Prevention	✓	✓
Guided On-Screen Startup	✓	
Weather Station Option	✓	
Link Remote Management Compatibility	Monitoring and Control	Monitoring Only
Storable Grain Type Profiles	9	2
StorageLink Compatibility	✓	

SHIVVERS LINK™ REMOTE MANAGEMENT

**YOUR ANYTIME, ANYWHERE
REMOTE DRYER CONNECTION.**

Shivvers Link™ keeps you connected with your grain dryer anytime and anywhere you have internet access.*

We know that control shouldn't stop when you leave your bin site. That's why we've developed the Shivvers Link Remote Grain Management System, allowing you to manage your drying operation from anywhere you have internet access. Log on to your MyShivvers.com portal with a smartphone, PC or tablet and take advantage of the ultimate "no babysitting" experience. While some competitive systems allow remote monitoring capabilities, the Shivvers Link Remote Management System takes this two steps further by not only adding remote *control* functionality but also offering remote *monitoring and control capabilities over your storage operation* – in addition to your drying operation.

LINK™ TECHNOLOGY

The Link Remote Management System interfaces with your drying system's central Command Center, wirelessly transmitting data from the Command Center via 4G data connection. When Link Remote functionality has been enabled, a secure online MyShivvers.com account is created for your drying system. This account serves as a remote portal for your drying system, accessible from any internet connected device, including smartphones, tablets and PCs.

*Account required. First year data service included.



THREE LEVELS OF REMOTE MANAGEMENT CAPABILITIES

Link Remote Management functionality is available in three options and is broken down based on your model of Command Center. While Link Remote Management functionality comes standard on Premier Command Centers, CompuDry Command Centers can be retrofitted with Link to offer remote monitoring functionality. CompuDry Command Centers can also be upgraded with the Shivvers Convert package to unlock comprehensive control capabilities.



LINK COMPARISON

CompuDry+Link

Drying operation monitoring

Installation: Retrofits to CompuDry Command Centers

Features:

- Remotely monitor drying operation
- View ambient temperatures and relative humidity at bin site
- Automatic text alerts when alarms are triggered
- Access digital tape strip

Premier+Link

Drying operation monitoring and control

Installation: Standard on Premier Command Centers

Features:

- Remotely monitor and control drying operation
- View ambient temperatures and relative humidity at bin site
- Automatic text alerts when alarms are triggered
- Access digital tape strip

Premier+StorageLink

Drying and storage operation monitoring and control

Installation: Upgrade option on Premier Command Centers

Features:

- Remotely monitor and control drying operation
- Remotely monitor and control storage operation
- View ambient temperatures and relative humidity at bin site
- Automatic text alerts when alarms are triggered
- Access digital tape strip

STORAGELINK: MAINTAIN QUALITY AND CONDITION OF STORED GRAIN.

Remote management meets your storage operation. StorageLink provides you with the convenience to remotely manage your stored grain operation from anywhere with an internet connected device.

Unusual changes in stored grain temperatures can be key indicators of factors leading to grain spoilage. The StorageLink System leverages temperature monitoring cables – strategically placed throughout your storage bins – to record grain temperatures across various zones within the bin. If a hot spot is detected, StorageLink automatically sends you a text message alert.

At any time, you can log in to your MyShivvers.com portal to remotely monitor stored grain temperatures and control your aeration system to: prevent grain spoilage the second a hot spot is detected, reduce operating costs by running fans only when needed, and prevent overdrying when timing is critical.

COMMAND CENTER UPGRADES

CONVERT COMMAND CENTER UPGRADE

For producers with a CompuDry looking for Premier Command Center functionality, Shivvers offers the Convert Command Center upgrade. By integrating with an existing CompuDry, the Convert upgrade provides the same touchscreen controls and features achieved with a Premier. The Convert also unlocks comprehensive remote monitoring and control capabilities when paired with a Link subscription.

NARROW COMMAND CENTER UPGRADE

Dryer control systems introduced prior to CompuDry can also be upgraded with the Narrow Command Center to match the CompuDry management system. Ask your dealer about the Convert and Narrow Command Center upgrades for your drying system.



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VISIT WITH A SHIVERS DEALER NEAR YOU

Ask your Shivers dealer about the value and durability of a Shivers Performance System on your farm. Dealers are factory-trained and knowledgeable on all components and how they can work for you.

VISIT WWW.SHIVERS.COM TO FIND A SHIVERS DEALER IN YOUR AREA.