

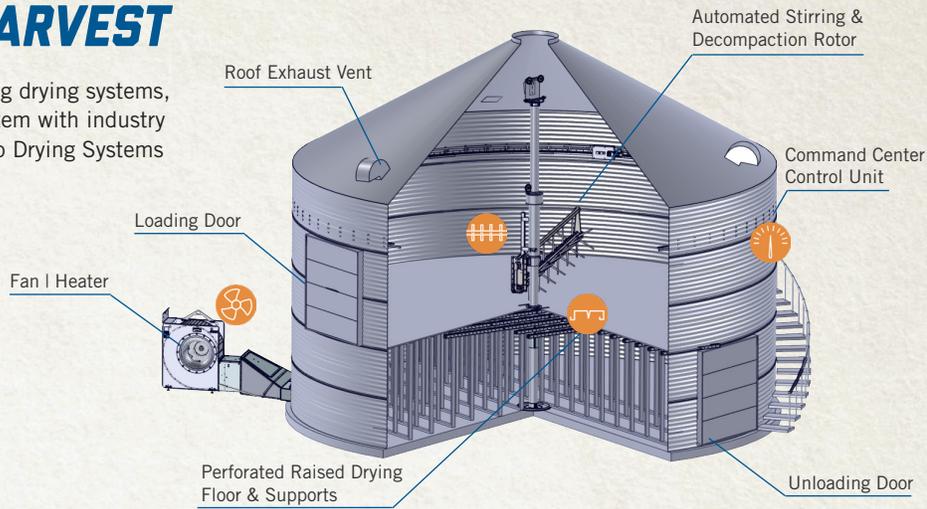
# SHIVERS HEMP DRYING SYSTEM

## TAKE CONTROL OF YOUR HARVEST

With over 50 years of experience in manufacturing and perfecting drying systems, Shivers is proud to introduce a computerized Hemp Drying System with industry leading precision temperature control technology. Shivers Hemp Drying Systems provide a comprehensive drying solution designed for:

- Precision Temperature Control
- Compatibility With Various Harvesting Methods
- Reducing Labor & Operating Costs
- Quality Preservation

You've worked hard to cultivate a valuable crop, now it's time to preserve your investment.



## SYSTEM COMPONENTS:

With each system custom configured to meet the grower's requirements, Shivers Hemp Drying Systems are integrated into a grain silo, effectively turning the entire structure into a comprehensive dehydration solution. A complete Shivers System can be broken down into the following 4 core components, each expertly designed & manufactured by Shivers:



### COMMAND CENTER CONTROL UNIT

Serving as the "brain" of the system, the Shivers Command Center is a central computerized control unit that manages the drying process based off the operator's pre-set specifications. Offering versatile temperature control options ranging from 90°F to as high as 140°F, the Command Center allows the operator to select their desired drying specifications. The Command Center then activates the dryer, warming air in the plenum created by the raised drying floor. The Command Center maintains constant communication with the heater throughout the drying process, making automatic adjustments to sustain the precise temperature specified by the operator.



### FAN | HEATER

The heat source and air movement force for the dehydration process, Shivers Fan & Heater units have been perfected over decades to offer unrivaled fuel efficiency and optimized heating capabilities. Automatically controlled by the central Shivers Command Center, Fan & Heater units feature a specially designed downstream burner with Shivers Blue Flame Technology to maximize clean and uniform heating. With various Fan & Heater combinations available, expertly trained Shivers Technicians will work with you to understand your operation's size, fuel, power, & capacity needs to ensure the optimal combination for your operation.



### AUTOMATED STIRRING & DECOMPACTION ROTOR

Pivoting around the center of the system, the Shivers Decompaction Rotor gently lifts, levels, and decompresses biomass to enhance air flow and ensure a consistent & uniform drying process. Powered by an electric motor, the Decompaction Rotor features fingers that rotate horizontally over top of the hemp bed, loosening and turning biomass as it dries. Mechanized speed and height adjustments accommodate maximum control. This decompaction process facilitates a faster, more efficient drying process while eliminating labor.



### PERFORATED RAISED DRYING FLOOR

The foundation for a Shivers System, Shivers Channel-Lock Floors and Structural Steel Supports elevate the floor to create a heating chamber for the drying system. Strategically designed perforations in the flooring facilitate controlled air flow, allowing warmed drying air to rise up through the floor into the hemp drying zone. Featuring a patented embossed center-rib construction and strengthened modular design, Shivers Channel-Lock Floors provide a firm foundation and precision-controlled aeration. In addition to providing a heating plenum, the raised floor also creates an unloading chamber. Accessible by an exterior unloading door, integrated floor doors allow dry hemp to be dropped beneath the floor directly into bags or onto a conveyor to be transported for bagging.



### FLOORING COMPARISON



AN 8-INCH PLANK FEATURES A PATENTED CENTER-RIB DESIGN THAT ADDS SIGNIFICANT STRENGTH TO THE SHIVERS FLOOR COMPARED TO COMPETITIVE OPTIONS. THE ADDED STRENGTH — COUPLED WITH OUR EXCEPTIONAL VENTED AREA — IS ESPECIALLY VALUED FOR IN-BIN DRYING SYSTEMS AND DEEP-DEPTH AERATION APPLICATIONS.

# LINK REMOTE MANAGEMENT TECHNOLOGY

Stay connected to your drying system from anywhere with Shivers LINK Remote Management technology. The LINK Remote Management System interfaces with your drying system's central Command Center, transmitting critical drying data wirelessly via 4G connection. Log on to your MyShivers.com portal with a smartphone, PC or tablet to:

- Remotely Monitor Drying Operation
- Access Historical Drying Data Including Documented Temperature Readings Taken Throughout Previous Drying Cycles
- Setup Automated Alarms to Receive Text Messages if Conditions Fall Outside Acceptable Range



## IT WORKS LIKE THIS:

### **Step 1:**

Freshly harvested hemp is loaded through a specially designed loading door & spread on the drying system floor.

### **Step 2:**

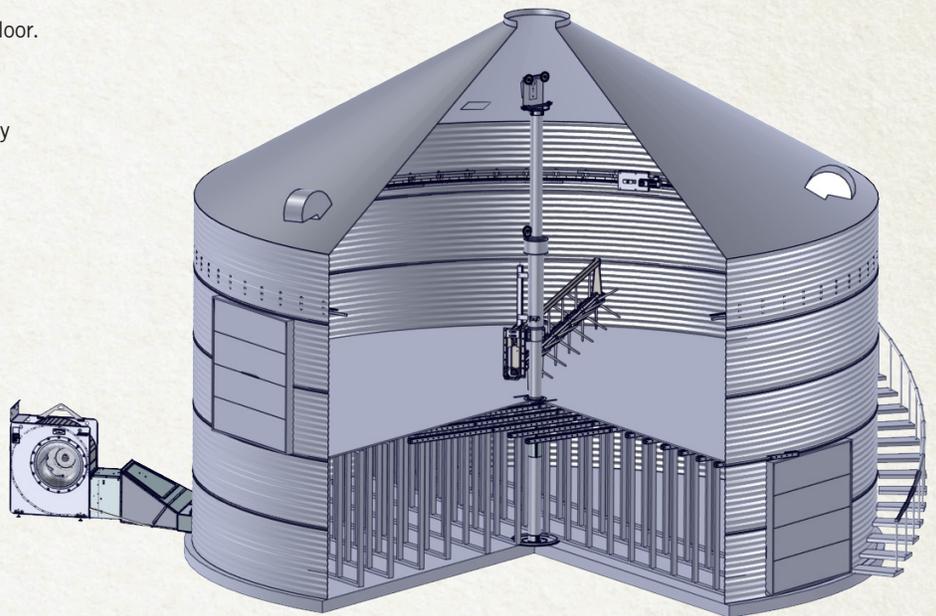
The operator engages the Decompaction Rotor to gently level & loosen biomass.

### **Step 3:**

The operator then sets desired temperature & drying specifications on the Shivers Command Center.

### **Step 4:**

The Command Center activates the Shivers Heater, warming air in the plenum created by the raised drying floor. The Command Center maintains constant communication with your heater throughout the drying process, automatically adjusting heater settings to match the pre-set drying specifications.



### **Step 5:**

Warmed drying air rises up through the perforated floor, pulling moisture as it ascends through the hemp biomass. Saturated air is exhausted through roof vents.

### **Step 6:**

Throughout the drying process, the Decompaction Rotor can be lowered to the appropriate depth and engaged to gently turn & loosen settled hemp.

### **Step 7:**

When the desired dehydration level is achieved, the operator powers down the system and hemp is unloaded through doors located in the drying floor.

**VISIT [SHIVERS.COM/HEMP](http://SHIVERS.COM/HEMP) FOR MORE INFORMATION**

We strive to consistently provide the best support in the industry, including factory-trained, dependable dealers who are able to assist you with all of your dryer needs.

Contact us for complete system options & details | Phone: 800-245-9093

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