

SAMUEL JACKSON

'24 PRODUCT GUIDE



SAMUEL JACKSON **TECHNICAL STAFF & NETWORK**

Access to the largest cotton moisture technical staff in the world is one call away.



Will Gruben
806-686-6339



Bogdan "Bo" Duda
806-853-1808



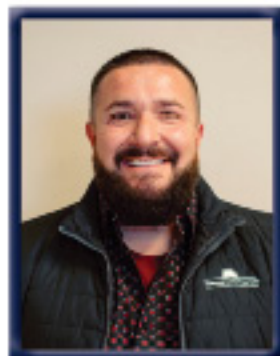
Serge Saurel
+33(0)6 23 49 05 15



Casey Newsom
662-809-9730



Jeremy Osborne
806-686-6325



Albert "Birdie" Perez
806-686-6323



Jeff Sallee
806-686-6337



Andrew Harkey
806-781-0981



Tony Tran
806-686-6358



Kalin Clark
682-521-9501



Brett Davis
229-894-9580



Brad Miller
731-212-9744



Chris Jackson
806-686-6311



Savannah Harkey
806-686-6343

OFFICES & AUTHORIZED RESELLERS

Main Office

Lubbock, TX
Toll-Free: 1-800-862-9966
Phone: 806-795-5218
engineering@samjackson.com

Southeast Office

Colquitt, GA
Phone: 229-894-9580
brett@samjackson.com

Factory/Shipping Address

Samuel Jackson, Inc.
3900 Upland Ave.
Lubbock, TX 79407

Abilene Office

Abilene, TX
Phone: 806-686-6339
will@samjackson.com

Mid-South Office

Indianola, MS
Phone: 662-809-9730
casey@samjackson.com

Australia

Moree, NSW
Phone: (07) 3177 6364
engineering@samjackson.com

Tennessee Office

Bolivar, TN
Phone: 731-212-9744
brad@samjackson.com

Africa Office

Paris, France
Phone: +33 (0)6 23 49 05 15
serge@samjackson.com

Samuel Jackson Resellers receive special training and offer both new Sam Jackson products and technical support.

Bradberry Services

Smyer, TX
Chris Bradberry
Phone: 806-773-3065
chris@bradberry-services.com

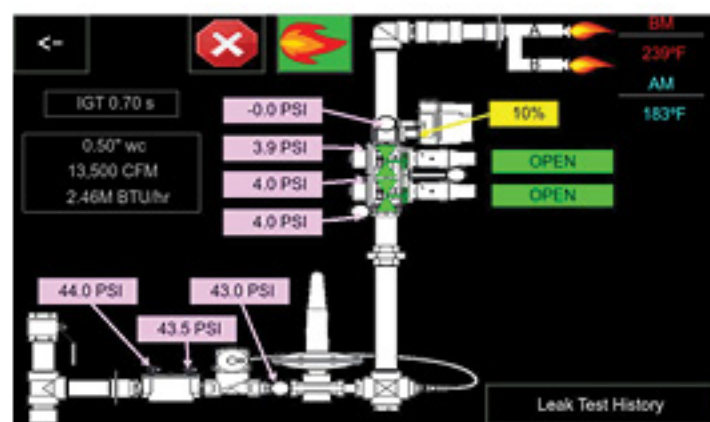
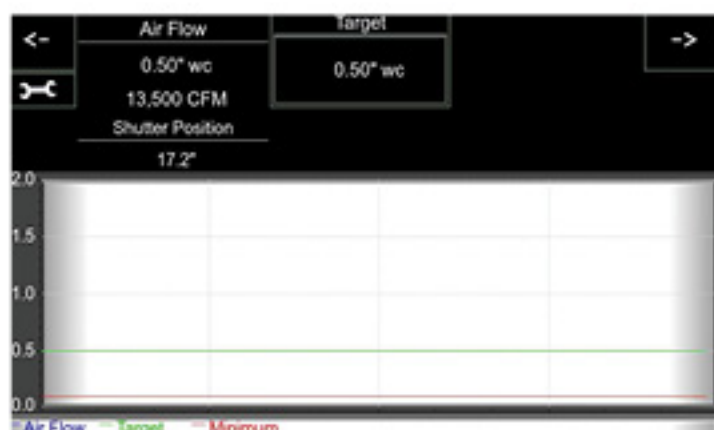
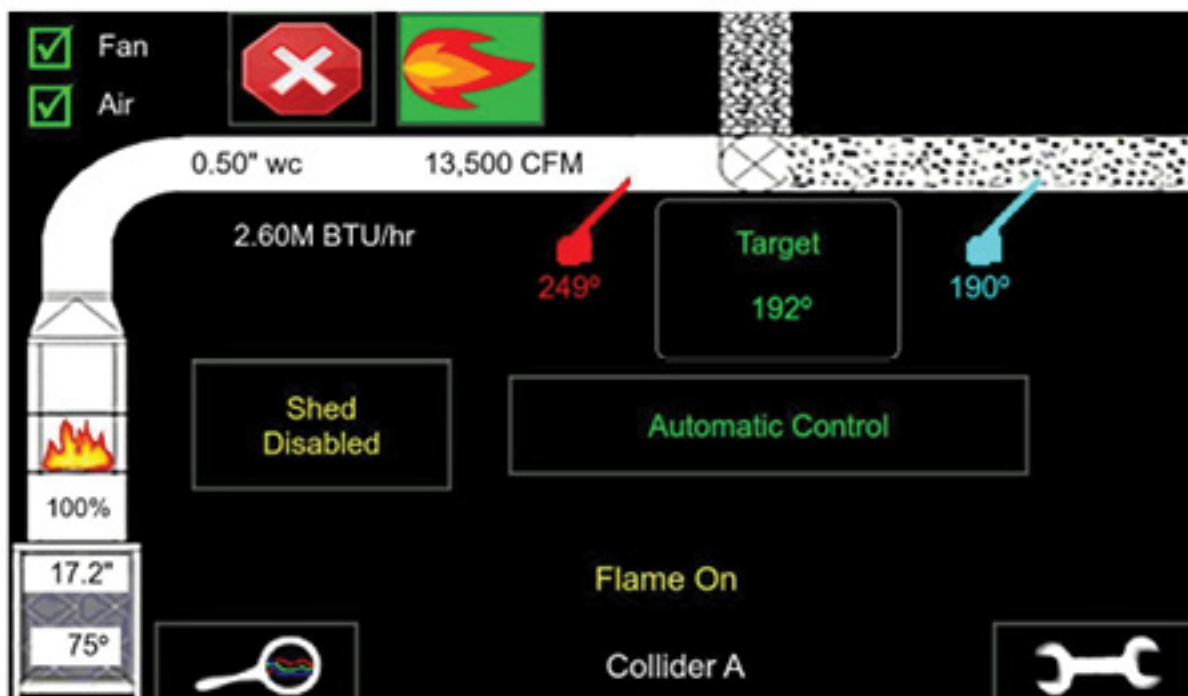
DRYING PRODUCTS

“A strong drying strategy is your best weapon
to gin challenging cotton.”

COBALT HEATER



COBALT TOUCH SCREEN



X	Error History	<-	p1/10	->
A438 x1	Fan Interlock On with no Air Flow for 10 minutes - Is fan interlock bypassed?	2024 / 02 / 01	09 : 18 : 20	
E433 x1	Low air flow. Air flow through the unit was too low for more than 3 seconds.	2024 / 02 / 01	09 : 08 : 20	
A423 x4	Low Fire Switch Never On - Fuel mod motor failed to close?	2024 / 01 / 31	14 : 32 : 45	
A443 x1	SSOV2 POC Never On - Did SSOV1 close?	2024 / 01 / 31	14 : 30 : 29	
A441 x1	SSOV1 POC Never On - Did SSOV1 close?	2024 / 01 / 31	14 : 30 : 29	



PULL-THROUGH INSTALLATIONS



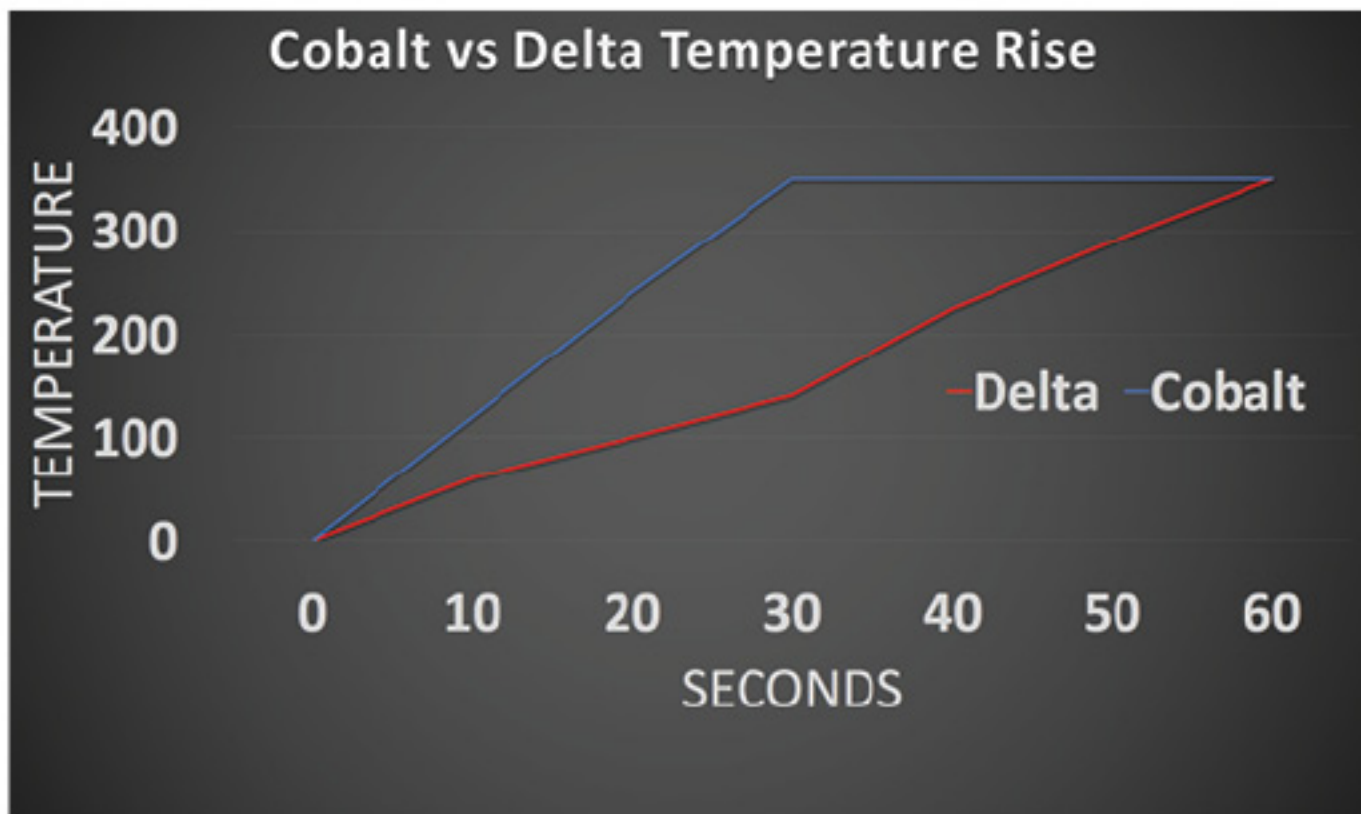
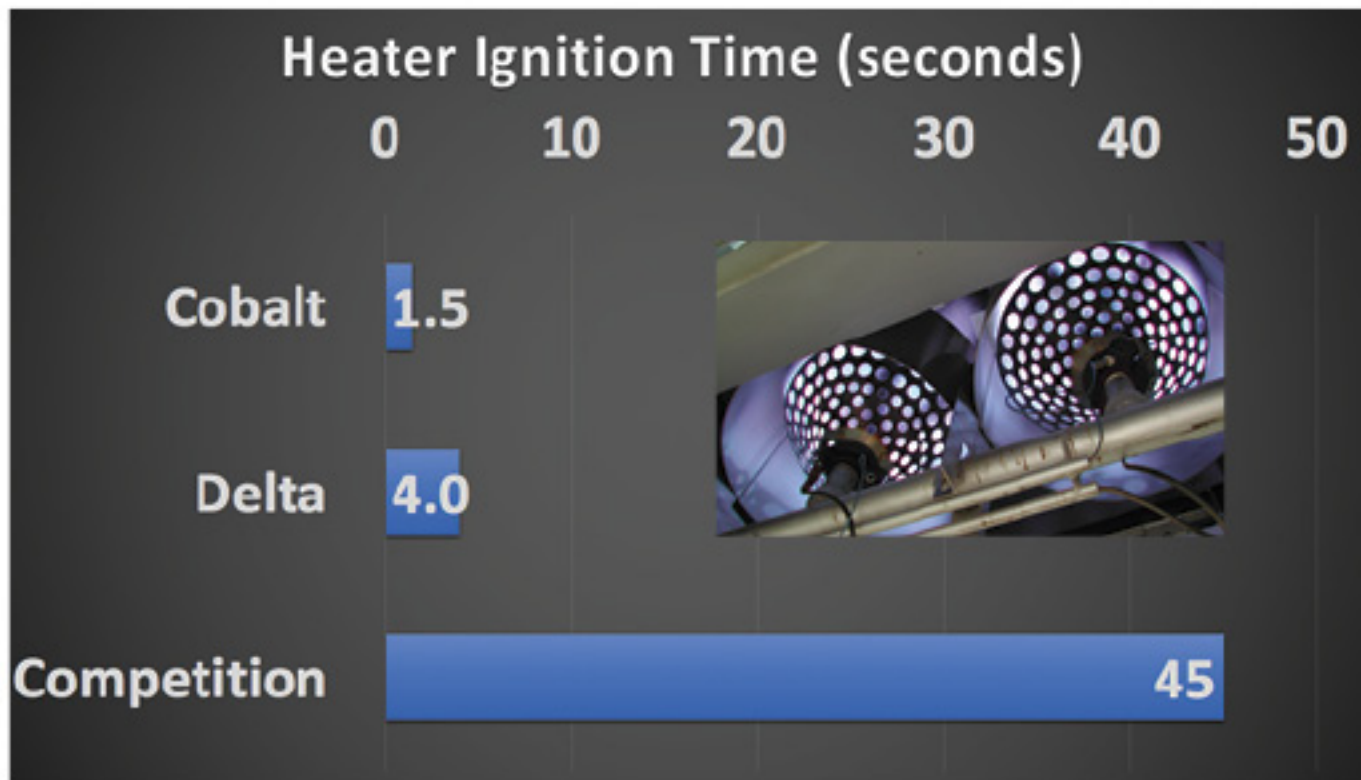
PUSH-PULL INSTALLATIONS



COBALT CONTROLS



COBALT VS. DELTA



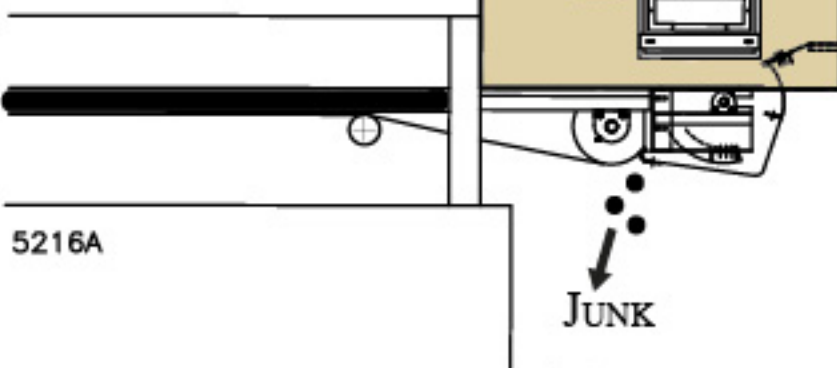
Hot Box

To DRYER ←

↑
AFTER MIX
THERMOCOUPLE



Hot Box 3 →



5216A

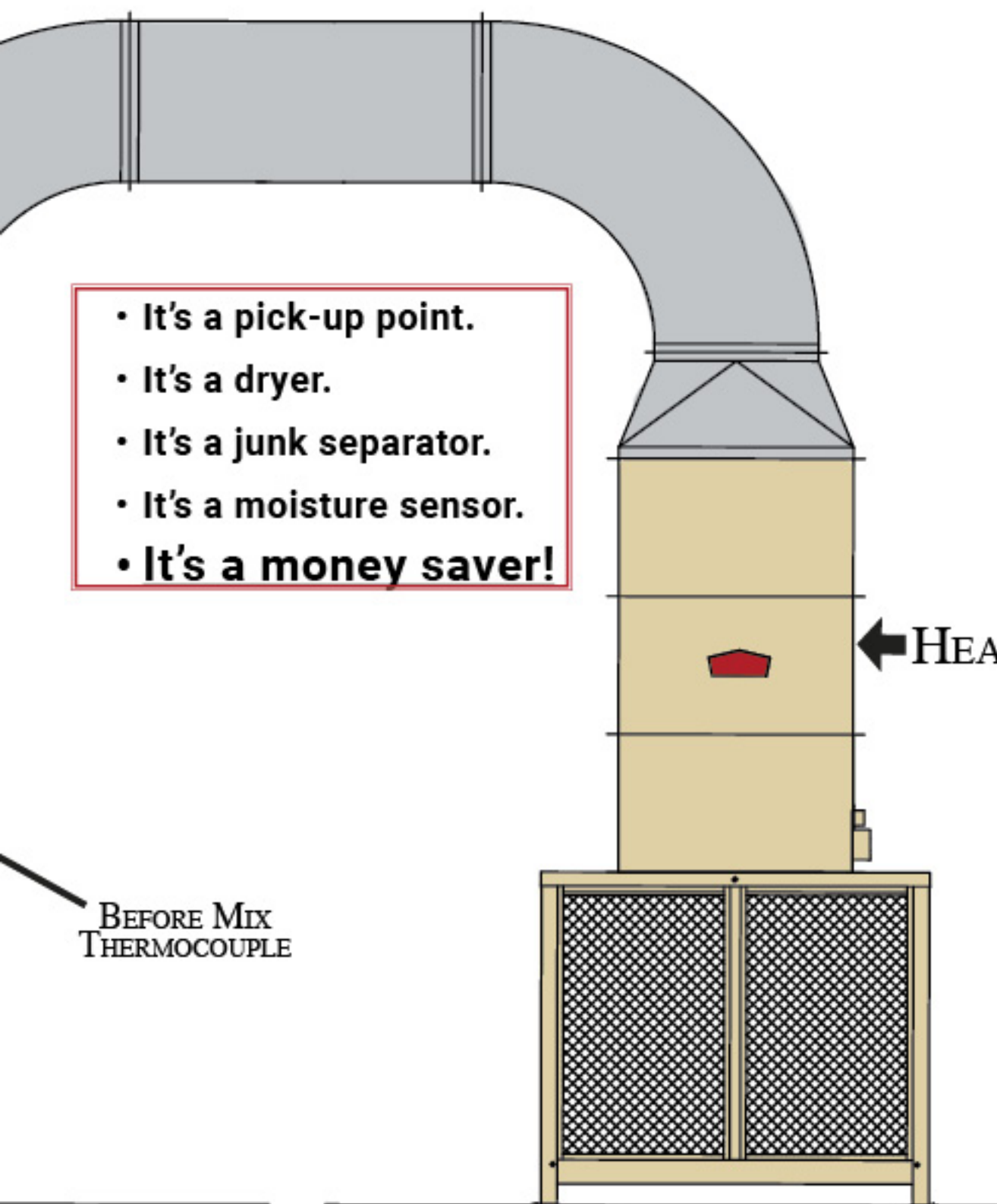
JUNK

Hot Box

- It's a pick-up point.
- It's a dryer.
- It's a junk separator.
- It's a moisture sensor.
- **It's a money saver!**

← HEATER

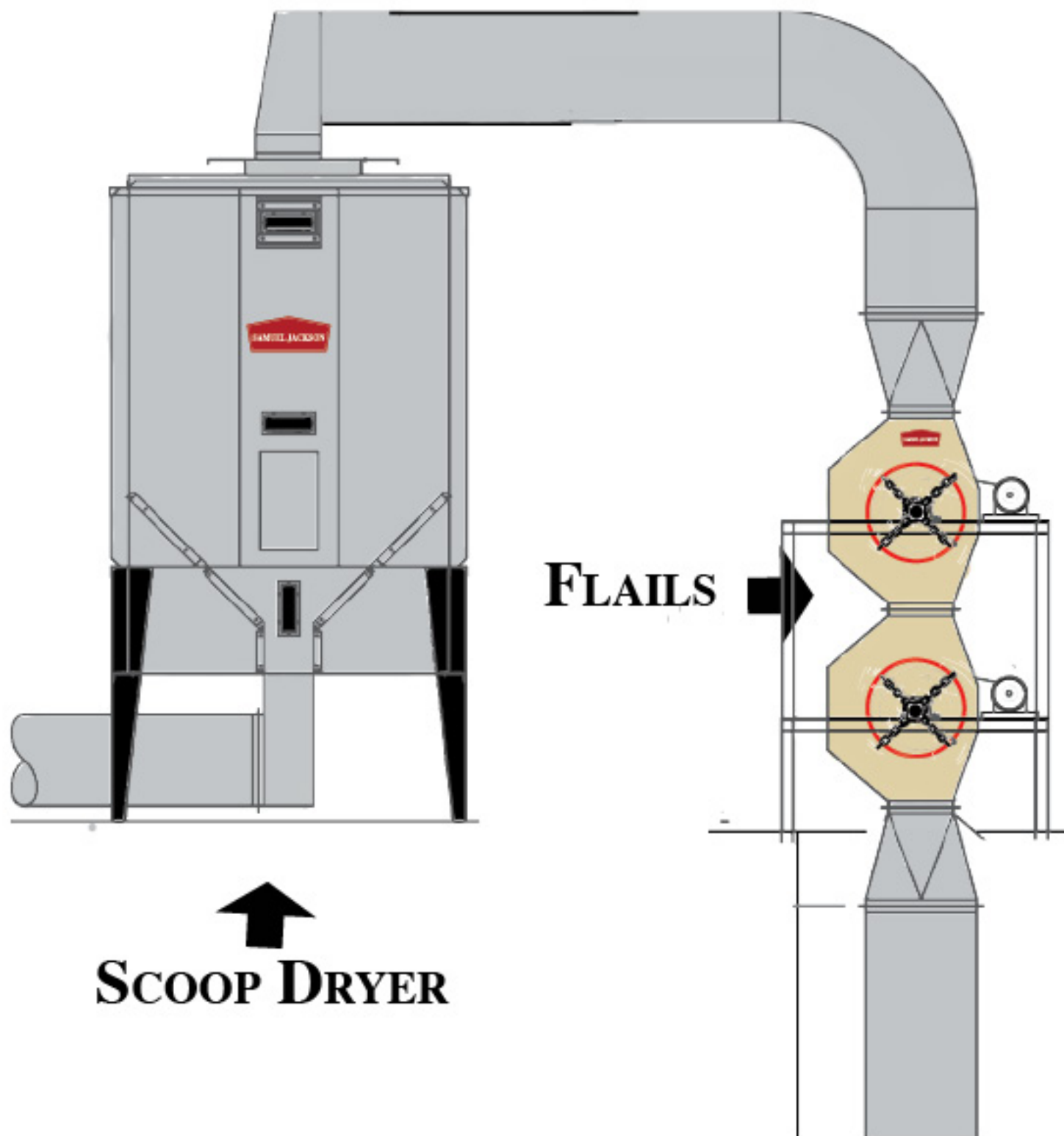
BEFORE MIX
THERMOCOUPLE



DOUBLE FLAIL



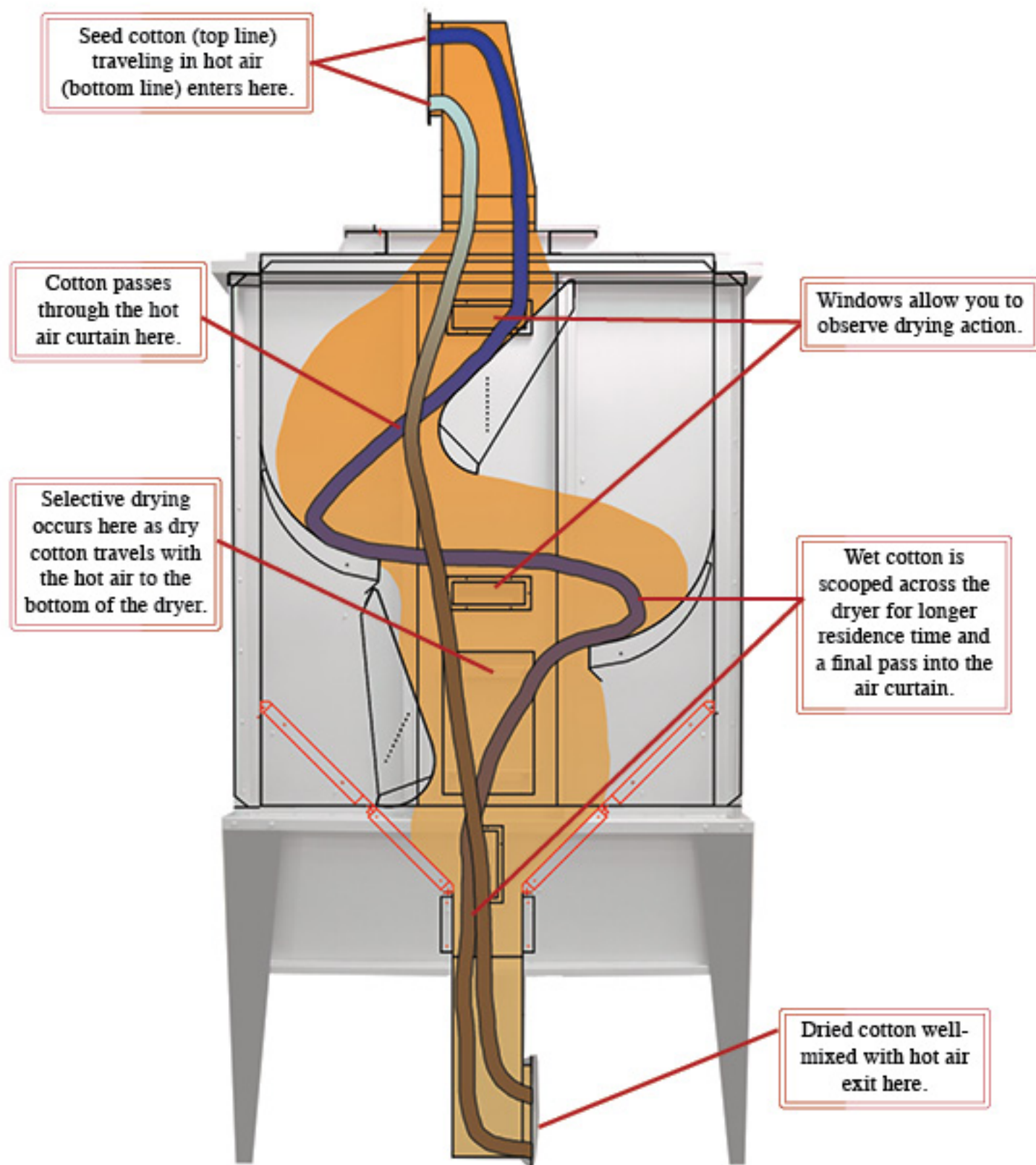
DOUBLE FLAIL



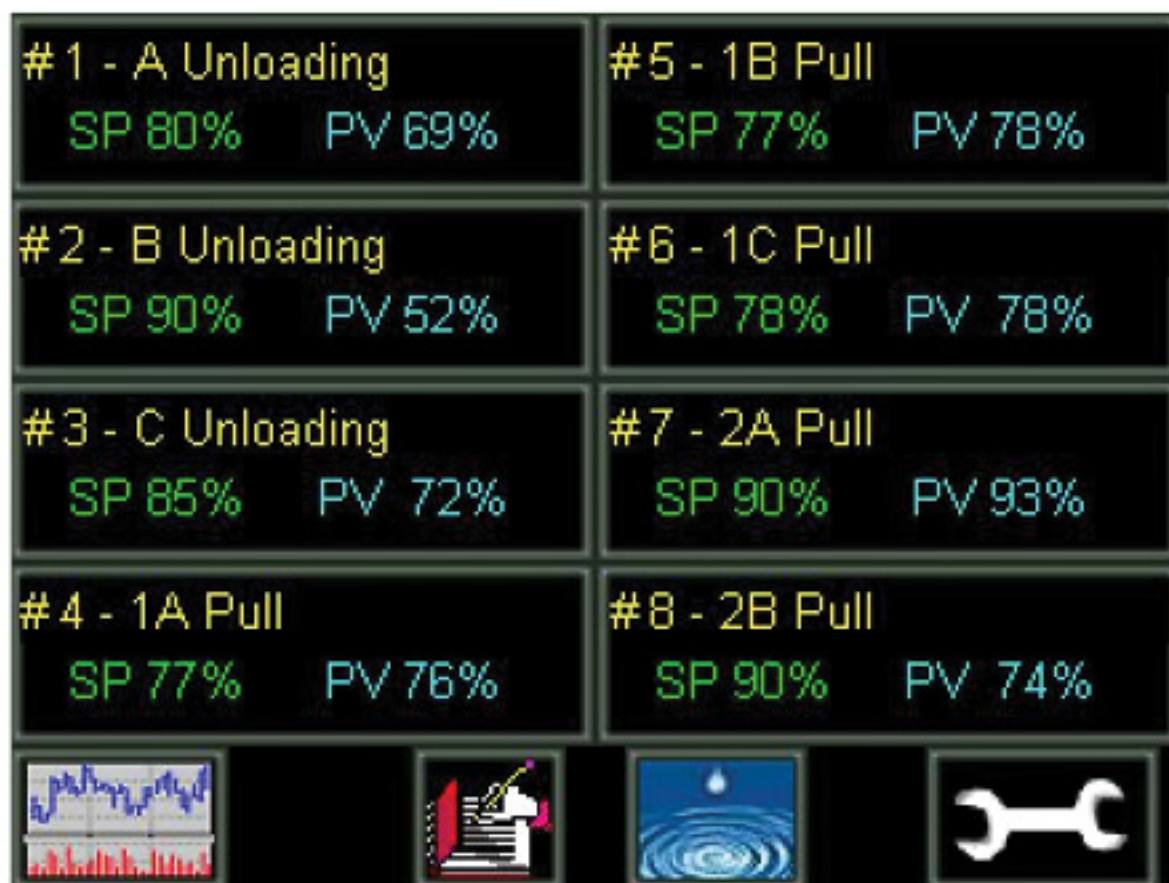
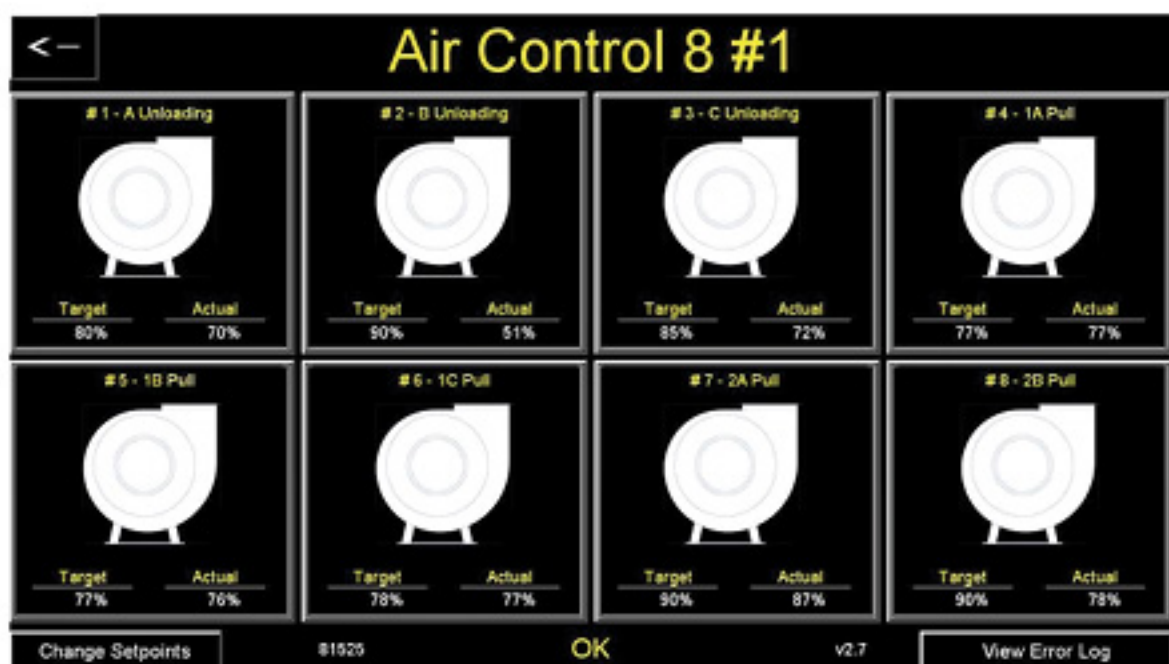
SCOOP DRYER



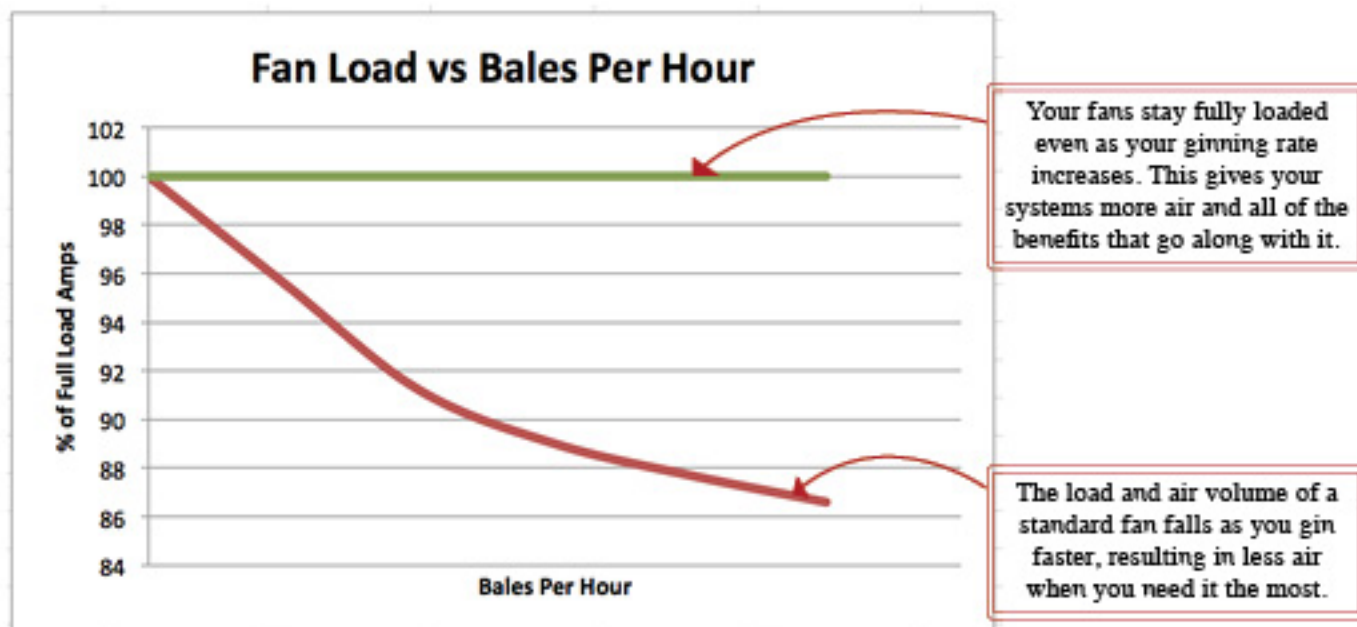
SCOOP DRYER



AIR CONTROL 8



AIR CONTROL 8



Air Control 8 provides:

- 30% more air while ginning
- Better drying, cleaning, conveying
- Reduces overloading fans



VULCAIN OIL-FIRED HEATER



The Vulcain provides:

- **Industrial Grade Burner Package with a 20:1 turndown ratio**
- **Available in 4 and 7-million Btu models**
- **Compatible with Shed Technology**
- **Compatible in pull-through or push-pull drying system**
- **Simple test program for easy setup and troubleshooting**

VULCAIN OIL-FIRED HEATER



MOISTURE PRODUCTS

“Cotton requires the control of moisture
to maximize its value.”

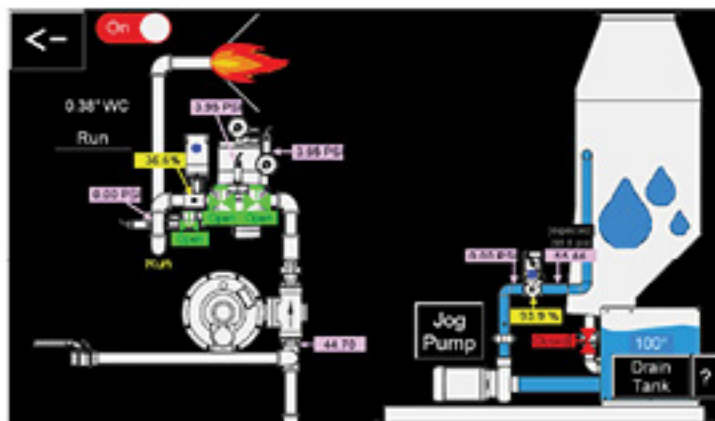
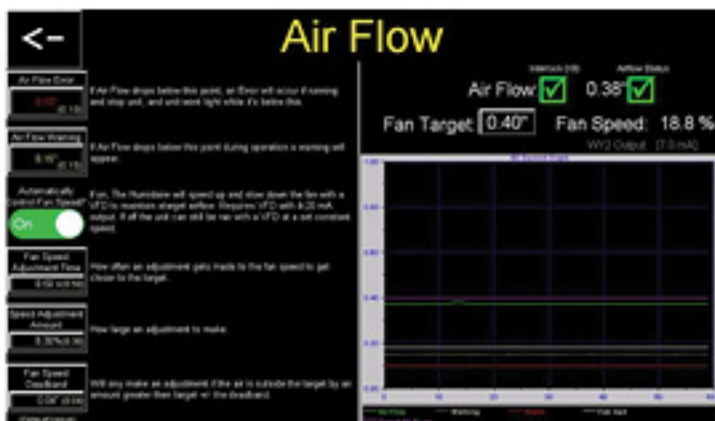
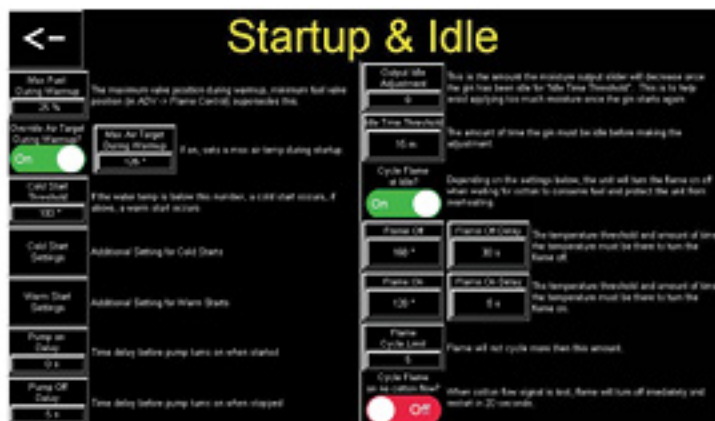
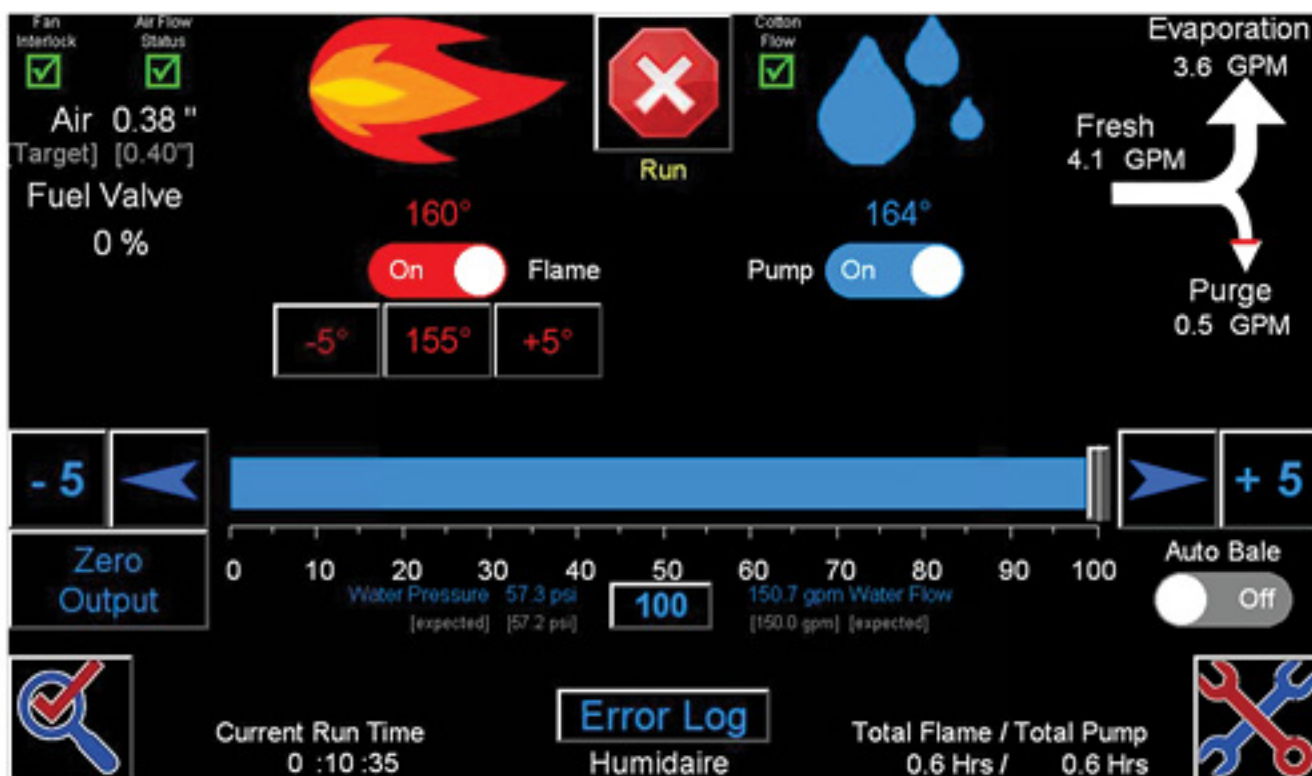
HUMIDAIRE HURRICANE



Humidaire Hurricane highlights:

- 10-inch Color Touch Screen
- 7.5 HP Motor and Stainless Steel Pump
- Automatic Header Flush Valve (not pictured)
- Special Extended Range to reduce moist air applicator cleaning
- Direct Volume Control for the most stable moisture output
- High speed gas modulation for quick warmup and turn down
- Heavy Duty Mist Eliminator
- Clamp On Water Flow Meters
- Can handle 4,000 CFM of air
- 1700 Series shares many parts with Cobalt Heaters

HURRICANE CONTROLS

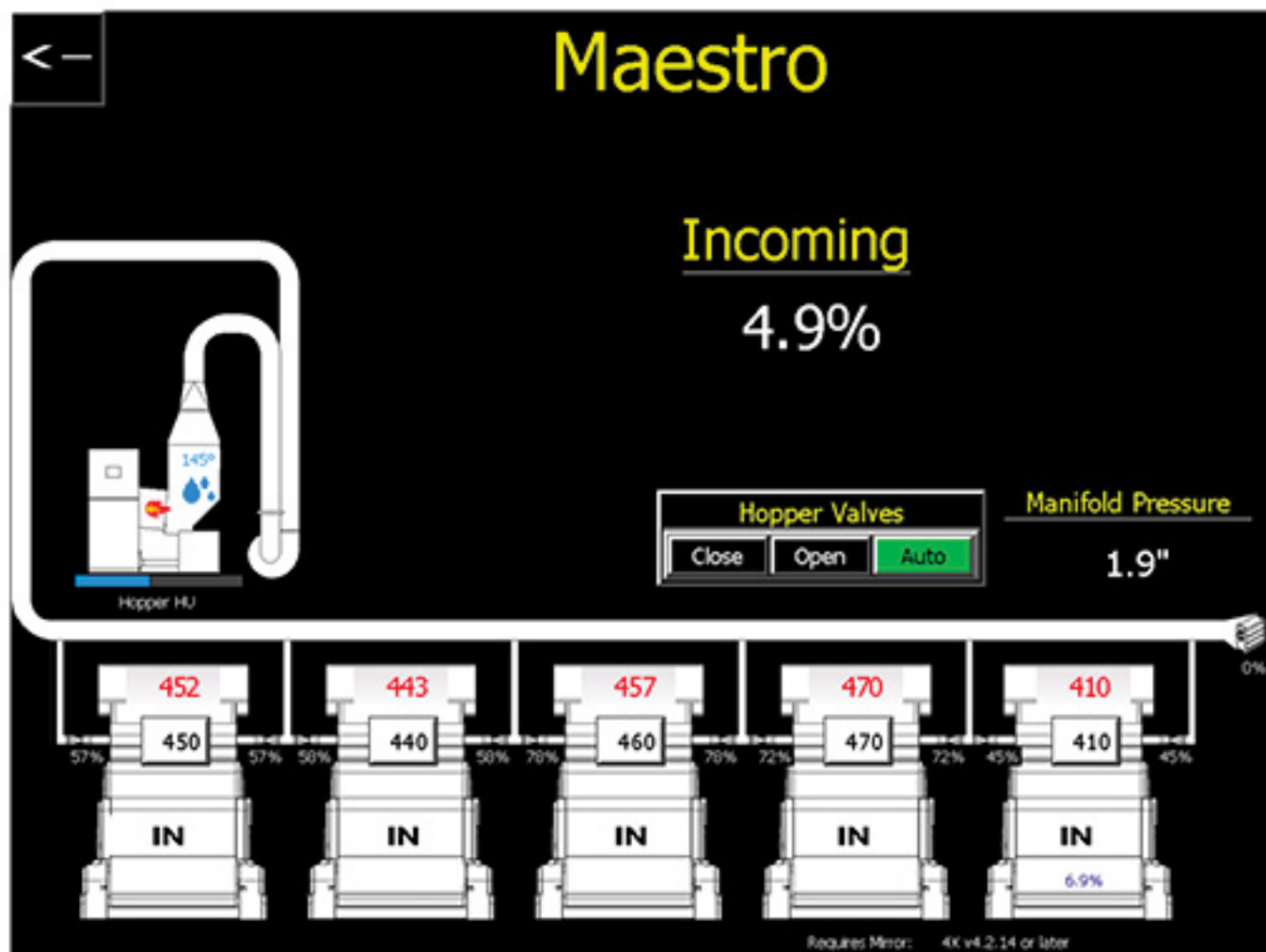


Error History		<-	p1/10	->
A429	Low water pressure. Check pump rotation.	2024 / 02 / 08		
X1		16 : 01 : 37		
E435	Upstream gas leak detected. Check SSOV1 for leaks.	2024 / 02 / 08		
X1		16 : 00 : 26		
E438	Fan Interlock bypassed.	2024 / 02 / 08		
X1		15 : 59 : 45		
E435	Upstream gas leak detected. Check SSOV1 for leaks.	2024 / 02 / 08		
X1		12 : 00 : 35		
E436	Downstream gas leak detected. Check SSOV2 and PV for leaks.	2024 / 02 / 08		
X1		11 : 57 : 04		

STAINLESS CONDITIONING HOPPER



MAESTRO SMART HOPPERS



Make Your Gin Stand Sing!

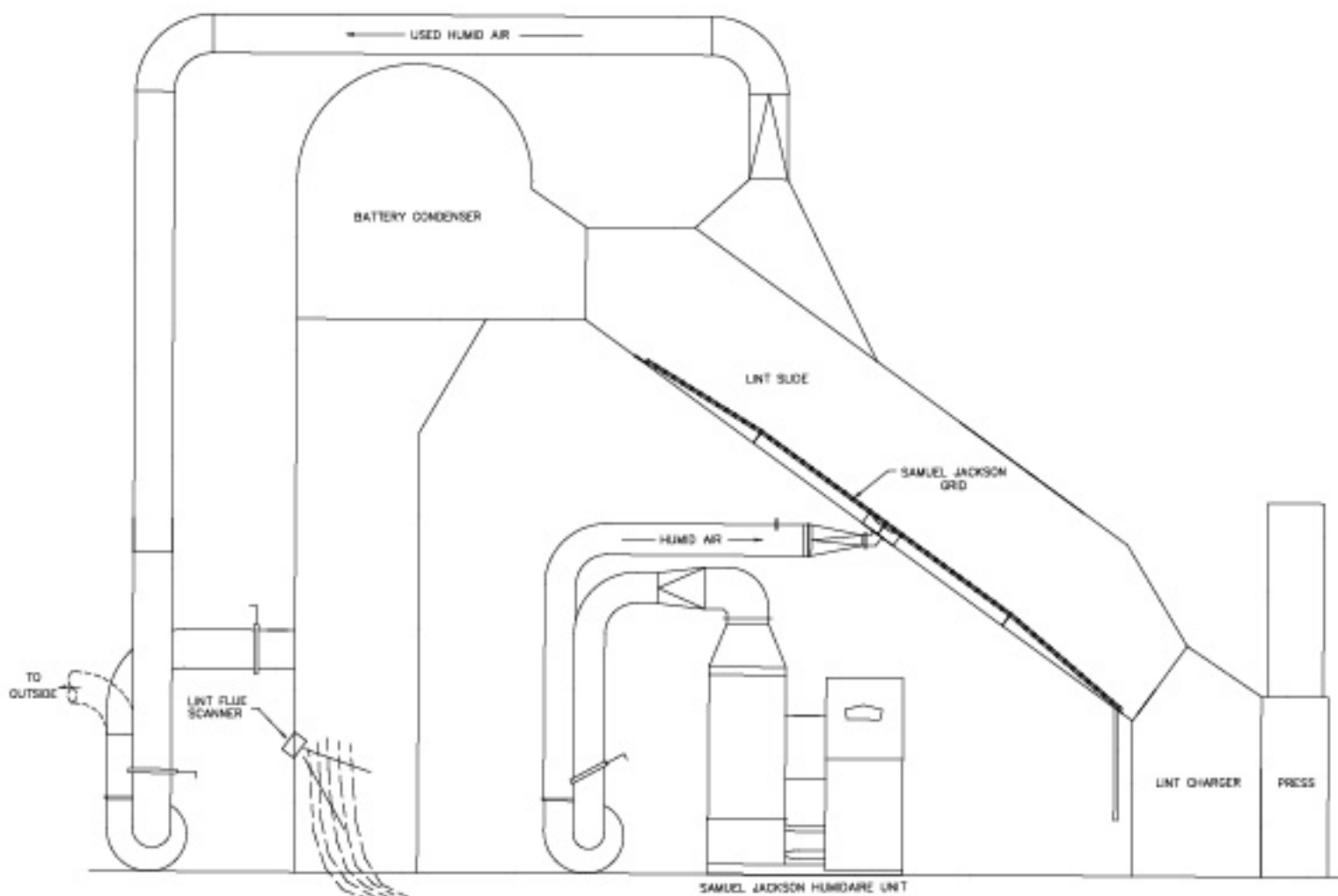
Maestro Smart Hoppers work automatically to provide:

- Reduced static from dry cotton
- Boost your bale moisture system
- Preserve cotton fiber length, uniformity and strength
- Increased gin stand capacity
- Reduce bark calls and potentially trash content

STANDARD LINT SLIDE GRID

Standard Lint Slide Grid

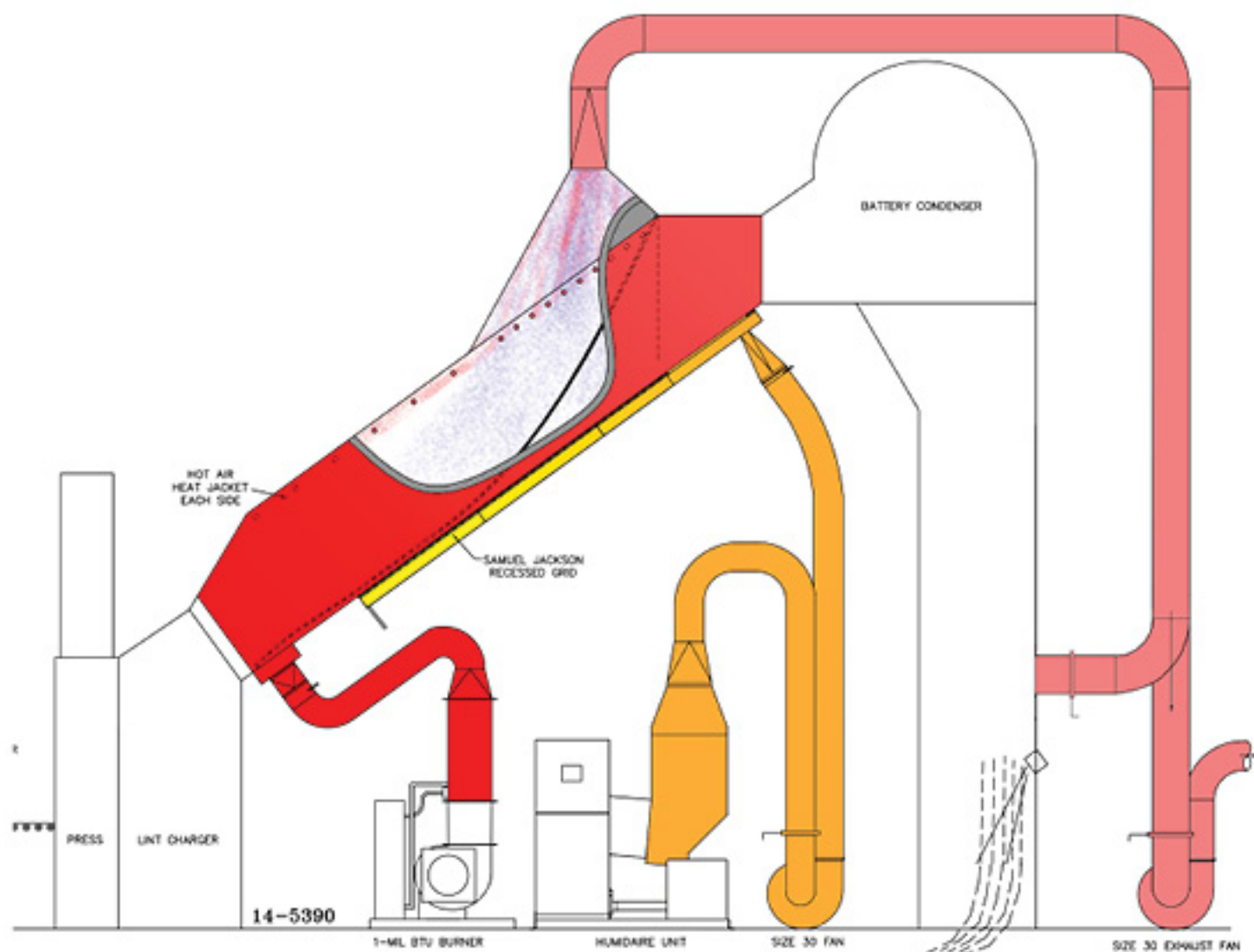
- Reduction of hydraulic pressures on press
- Increased press production
- Effective introduction to moisture restoration
- Recommended up to 30 BPH

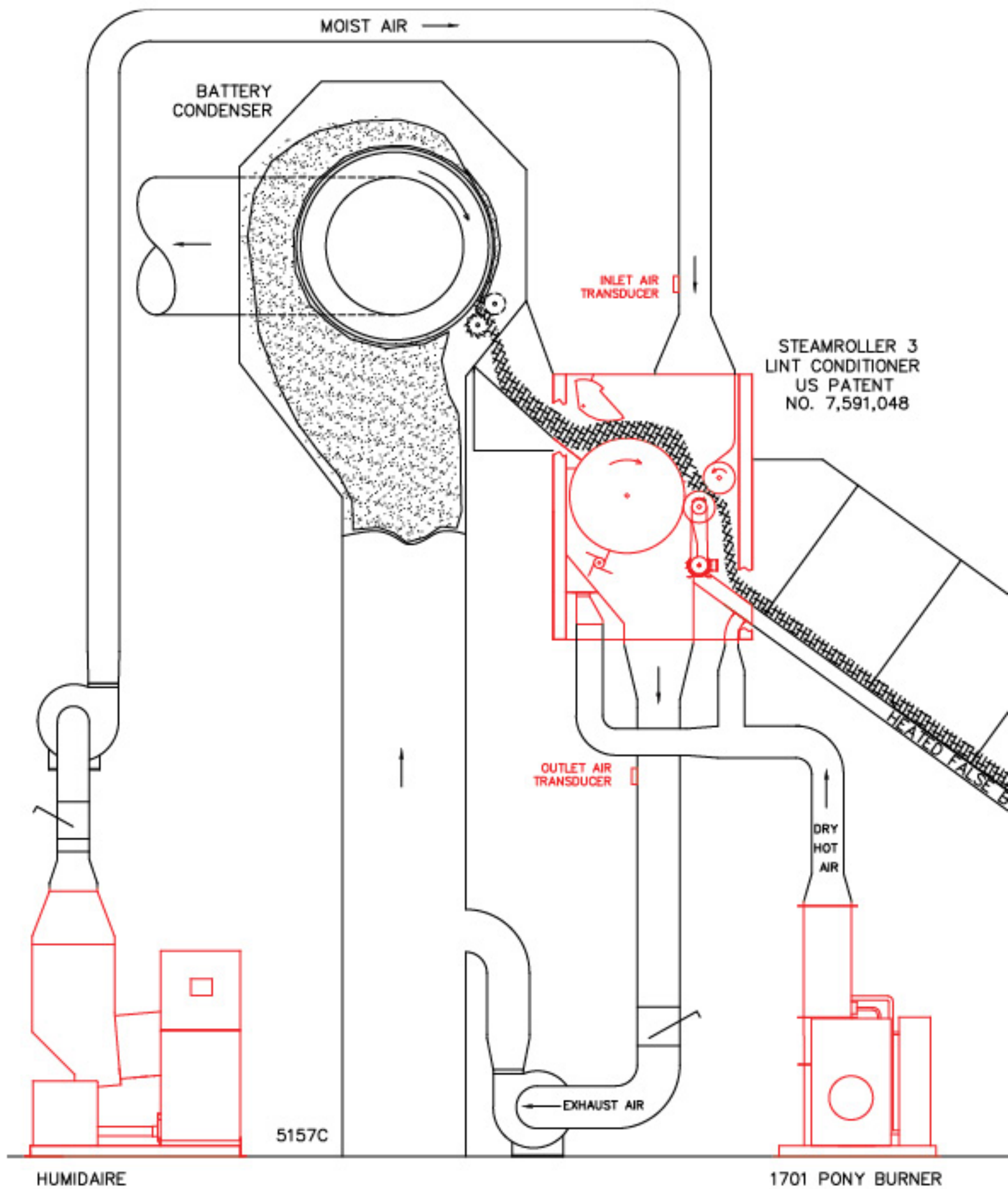


SUPER GRID

The Super Grid provides:

- More aggressive moisture restoration
- Reduction of hydraulic pressures on press
- Increased press production
- Improved cold weather operation
- Increased exhaust airflow reliability
- Reduced maintenance and cleaning

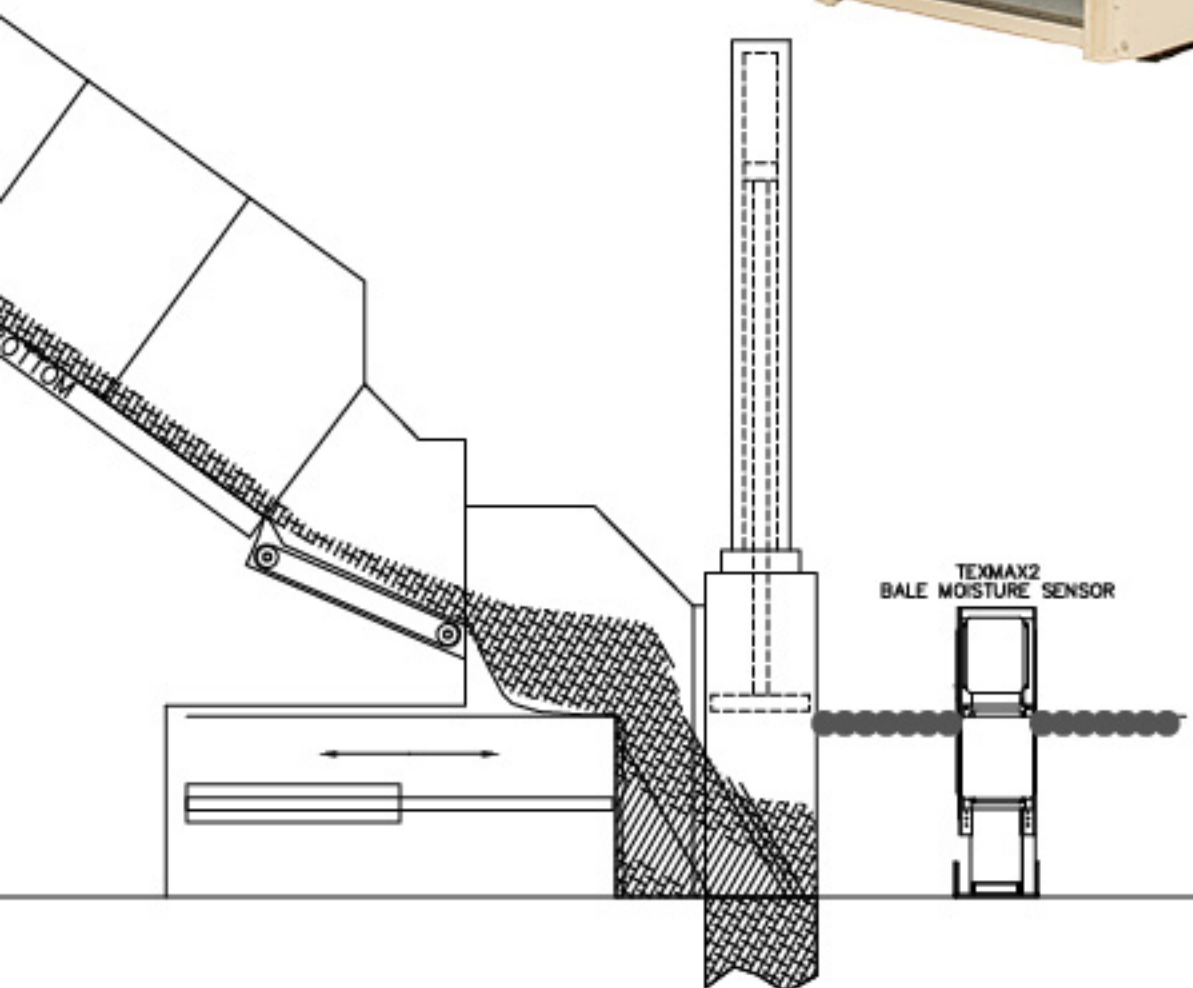




STEAMROLLER 3

The Steamroller 3 provides:

- Touch screen controls with backup VFD
- Industry leading moisture restoration capacity
- Integrated self-cleaning brush
- Consistent batt compression
- Most efficient applicator



1701: GAS-FIRED HEATER



1701 1-Million Heater benefits:

- Reduces moist air applicator maintenance
- PLC controlled with local color touchscreen interface
- Mirror 3X and later plug and play compatible
- Integrated fan and starter

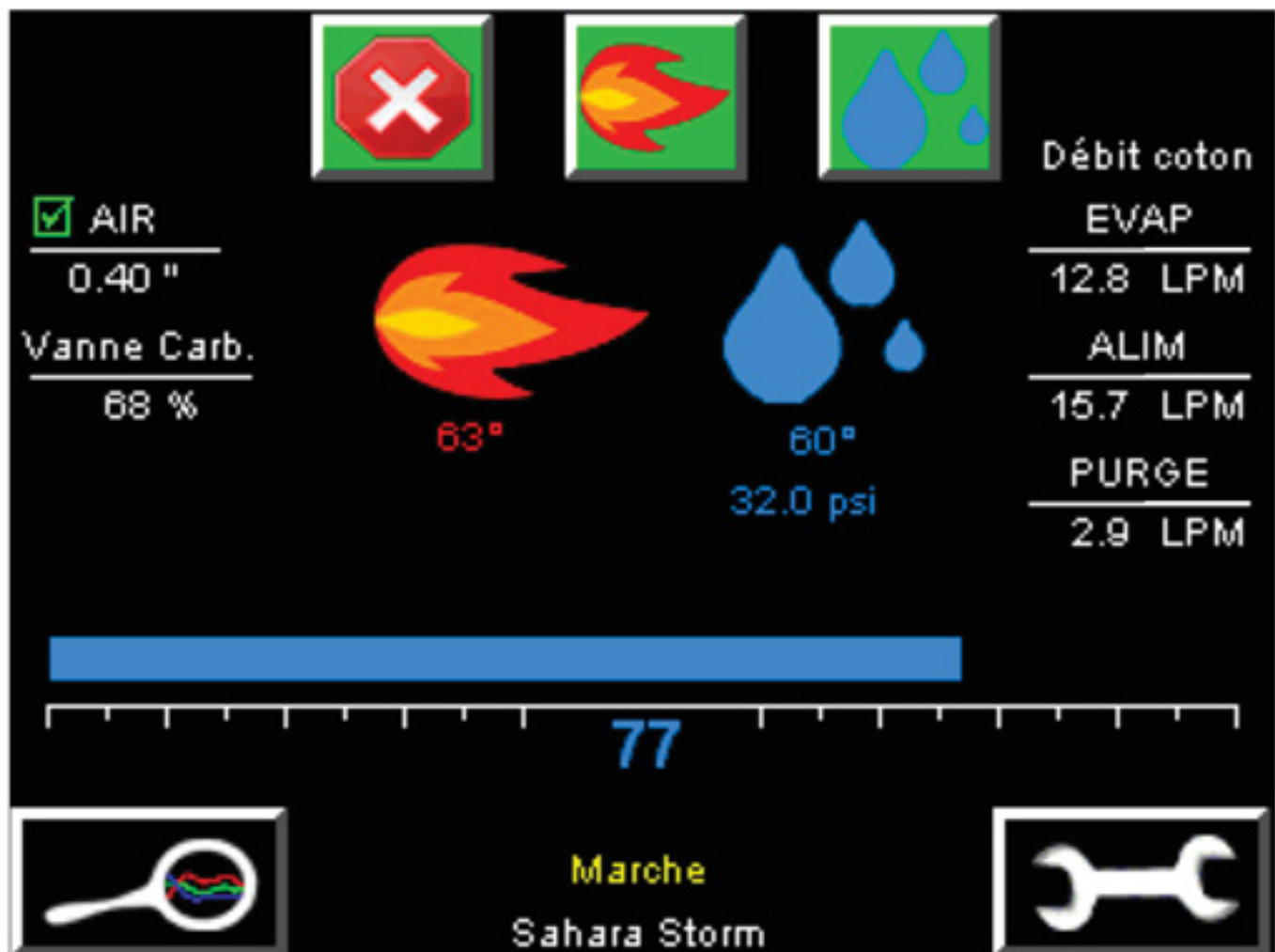
VULCAIN HO-1: OIL-FIRED



Vulcain 1-Million Heater benefits:

- Integrated fan
- PLC controlled with local color touchscreen interface
- Many common parts with Sahara Storm Humidaires and other Vulcain Heaters.

SAHARA STORM

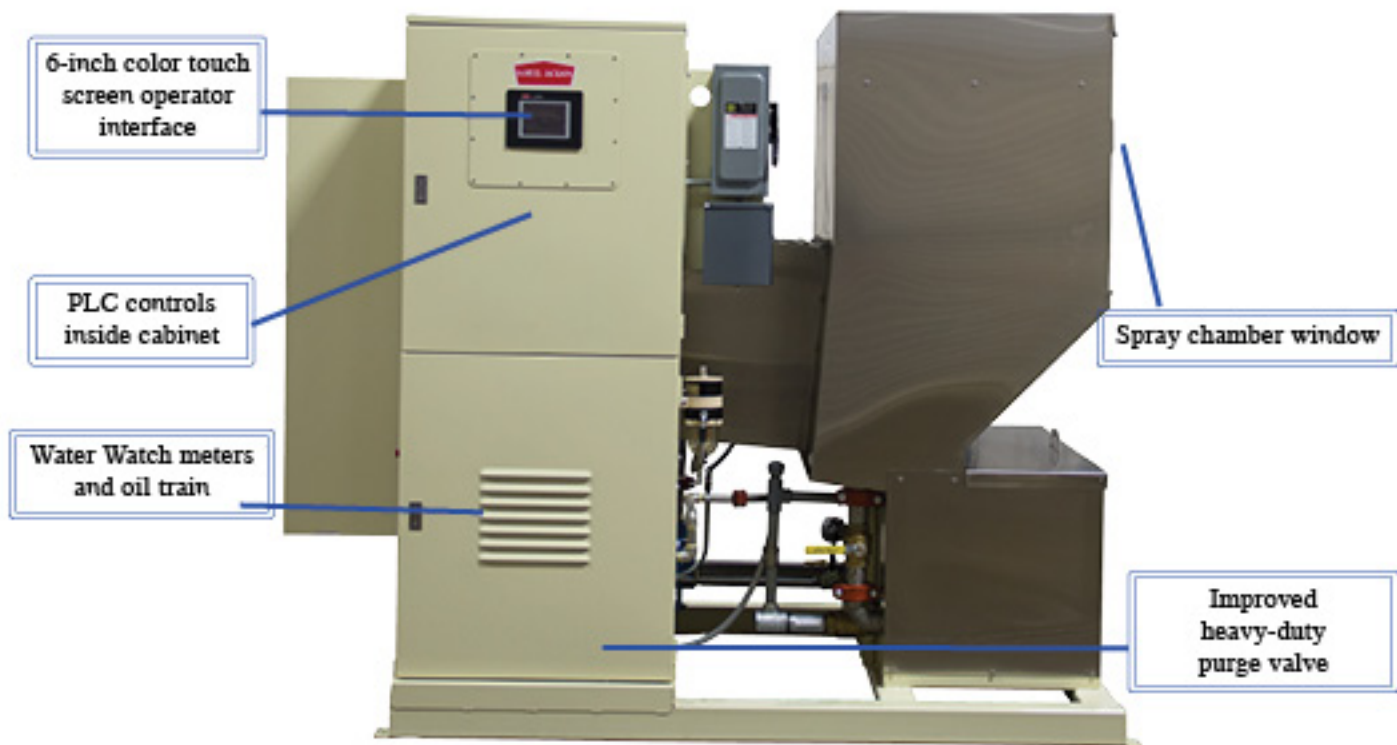


The Sahara Storm utilizes the Premium Touch Screen Interface that gives the operator instant access to run times and real-time water statistics. (French language option shown)

The Humidaire Sahara Storm comes standard with several impressive features such as:

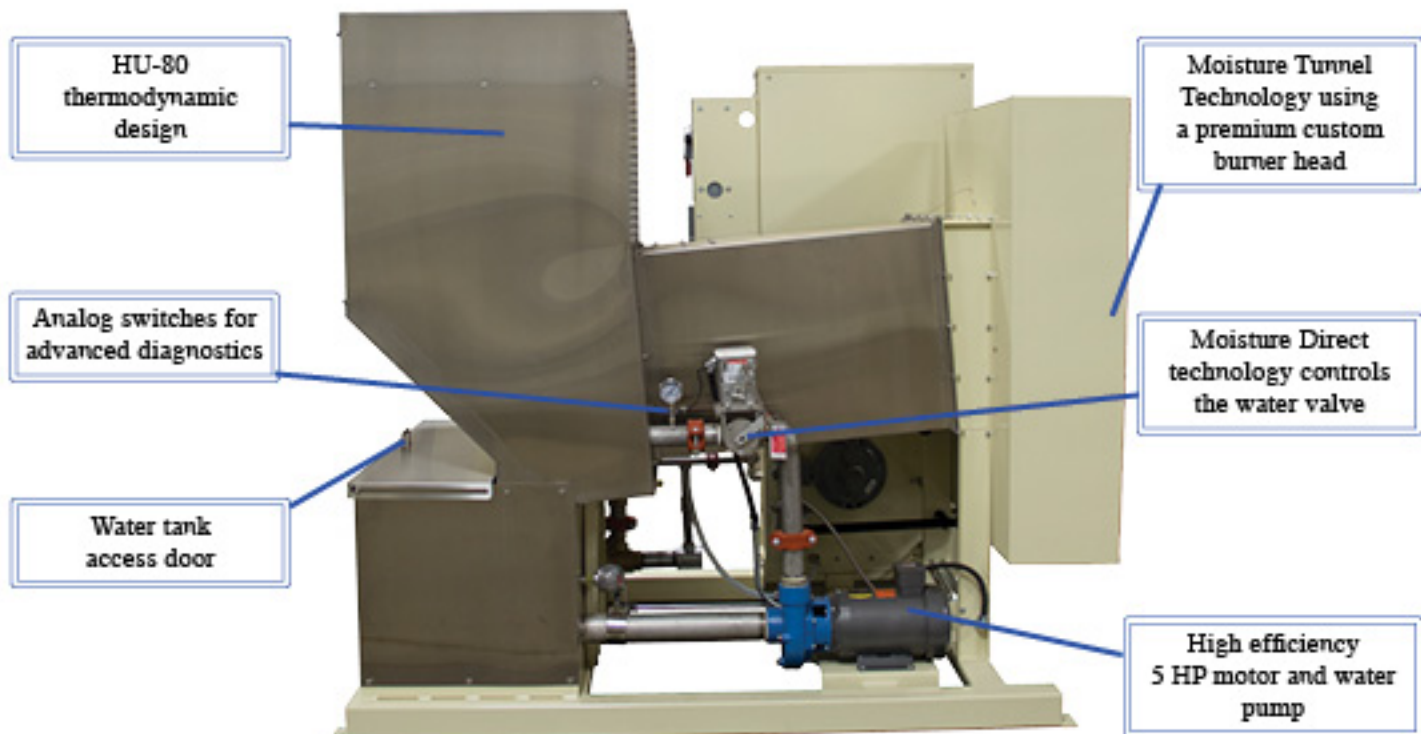
- A local color touchscreen for simple control and advanced diagnostics
- Fuel meter and consumption statistics
- Automatic heavy-duty purge system to reduce cleaning needs
- Target Bale Moisture Control with any Mirror and TexMax
- Remote control from any Mirror X or Spectrum.
- Easy access to the water tank during operation

SAHARA STORM



Sahara Storm features:

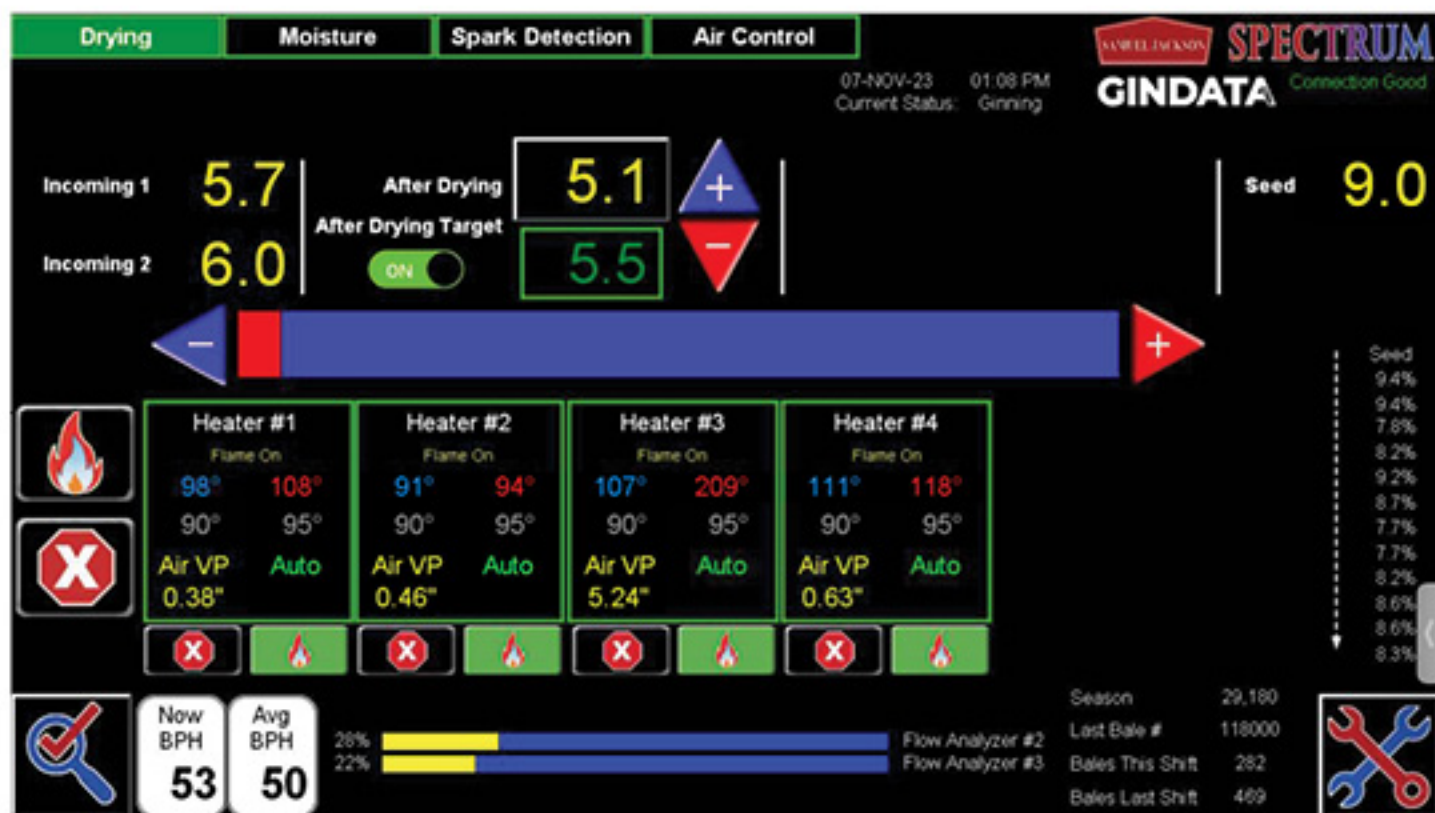
- Equipped with the 1600 Series Operating System
- Can handle 4,000 CFM of air



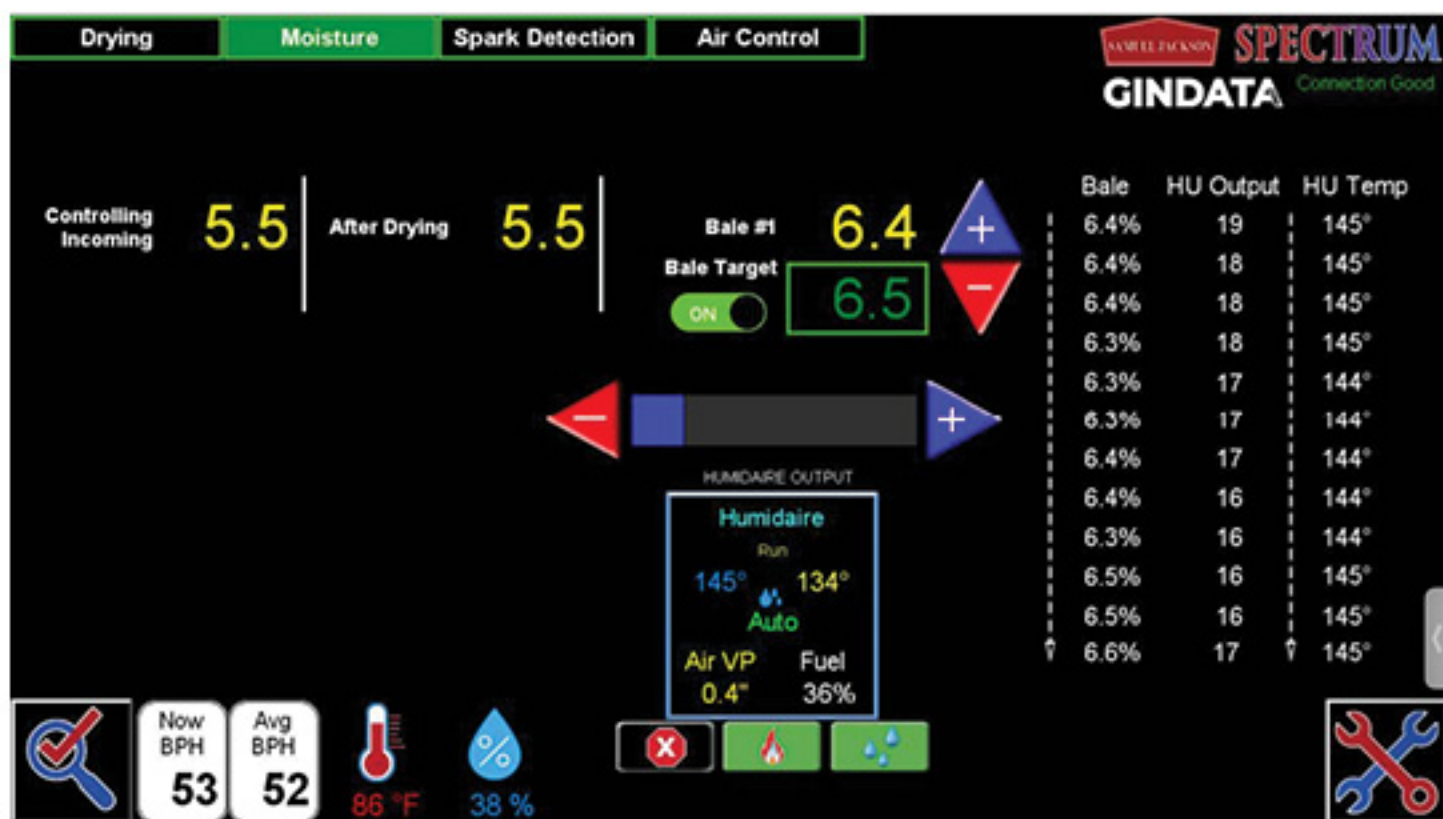
MEASUREMENT & CONTROL PRODUCTS

“High-speed control demands high-speed measurement .”

FULL SPECTRUM



FULL SPECTRUM



The Full Spectrum is the best moisture control and data center for cotton gins.

- Dual 19.5" touch screens
- Remote control for SJI heaters and Humidaire
- Supports up to 7 Flow Analyzers
- Supports many moisture sensors including: Module, Multiple-Incoming, After Drying, Seed, and Dual Bale (two presses)
- Supports Trash Tracker system
- Supports Advanced Humidaire water pump control
- Ambient temperature and humidity
- Connects to GINDATA including automatic reports via email, Advanced Data Analysis, and GinData TV
- Includes fuel/bale daily tracking
- The latest Mirror hardware platform

From: "GinData.com" <server@gindata.com>
 Subject: Your Gin's Daily Cotton Story
 Date: November 4, 2021 at 8:33:14 AM CDT
 To: Sales@samjackson.com



GINDATA

TRI-COUNTY COTTON GIN DAILY COTTON STORY

Tuesday December 21, 2021

Season Total Bale Count Average BPH

46149.0 41.4

Bales Ginned By Day

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
28 774	29 1037	30 888	1 1017	2 927	3 616	4 660
5 1155	6 1074	7 1141	8 994	9 991	10 1038	11 1061
12 1119	13 1042	14 509	15 1097	16 995	17 799	18 172
19 0	20 743	21 973	22 589	23 4	24 0	25 0

Gin Downtime (Hours)

Gin Downtime During Day Shift (Hours)

9.5

Gin Downtime During Night Shift (Hours)

0.0

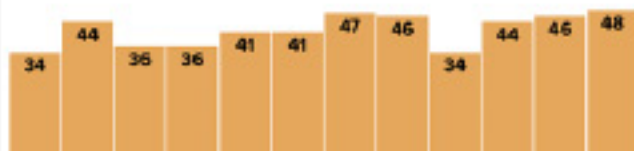
Bales Ginned By Shift

497

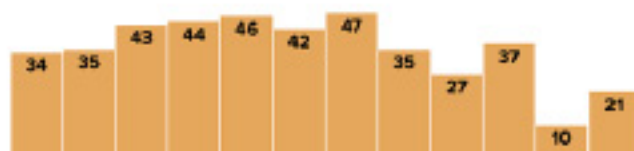
Tuesday 7AM - Tuesday 7PM

421

Tuesday 7PM - Wednesday 7AM



7am 8am 9am 10am 11am 12pm 1pm 2pm 3pm 4pm 5pm 6pm



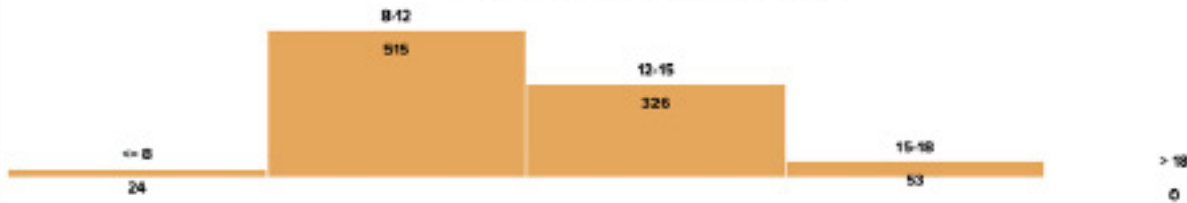
7pm 8pm 9pm 10pm 11pm 12am 1am 2am 3am 4am 5am 6am

Incoming Moisture

Highest Incoming Moisture (Average)

11.6

Highest Incoming Moisture Distribution



After Drying Moisture

Average After Drying Moisture

7.3

After Drying Moisture Distribution

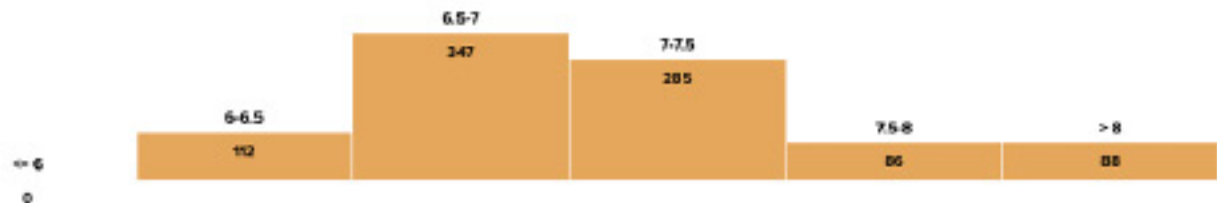


Bale Moisture

Average Bale Moisture

7.2

Bale Moisture Distribution

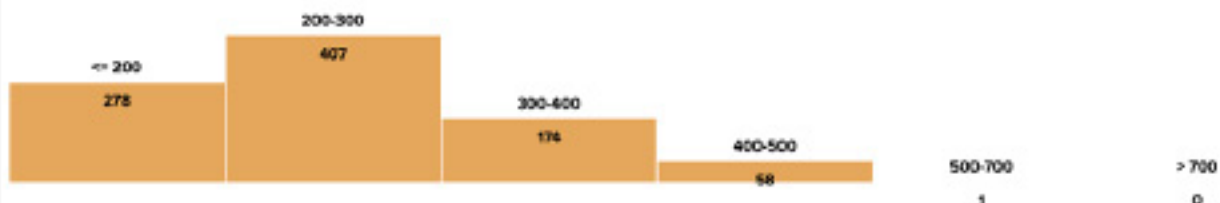


Trash

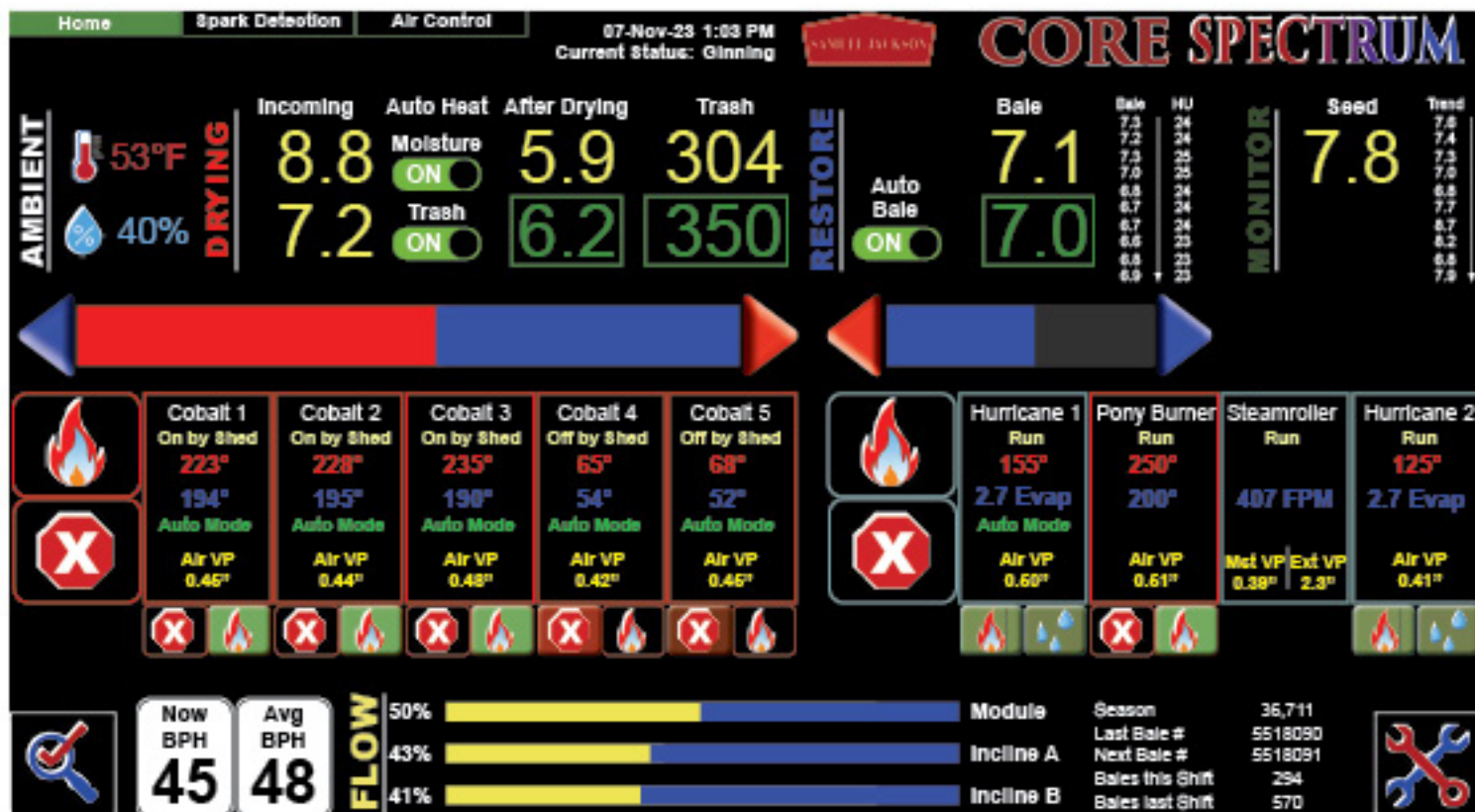
Average Trash

297

Trash Distribution



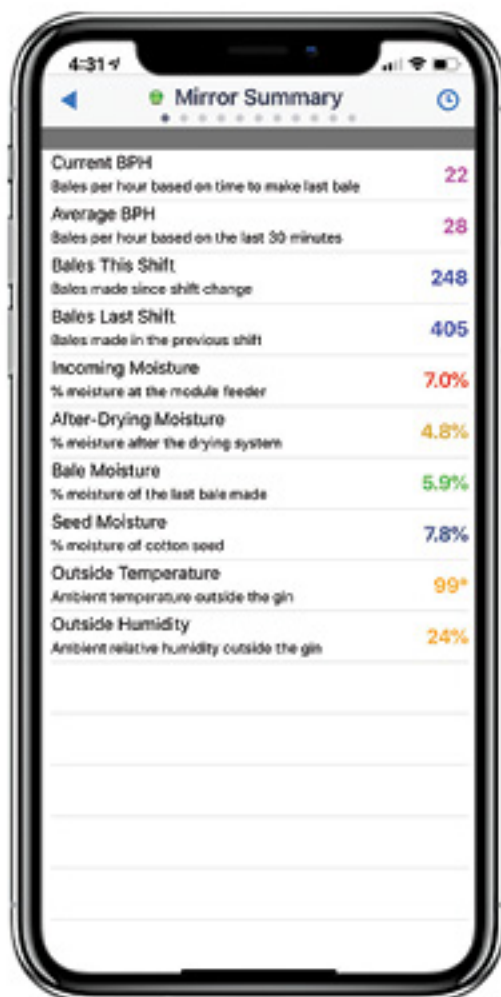
CORE SPECTRUM



The Core Spectrum includes all the essential features you need.

- Large 19.5" Touch Screen
- The Mirror for the future (The Mirror X platform is began in 2001)
- Ginner-friendly home screen for seasoned and inexperienced operators
- Automatic Heater Control with Dual Incoming Moisture
- Automatic Heater Control with Trash Tracker
- Automatic Bale Moisture with SJ plug and play Humidaires
- Cotton seed moisture monitoring
- Supports up to 5 Heaters and 2 Humidaires
- Plug and play with: Ginspire, Steamroller, Air Control 8 and Maestro
- Bales per hour and shift statistics
- SJI Connect Compatible

REMOTE ACCESS SERVICE & SJI CONNECT



Available on the
App Store



HOT BOX DOOR SENSOR



UNIVERSAL AND SEED SENSOR



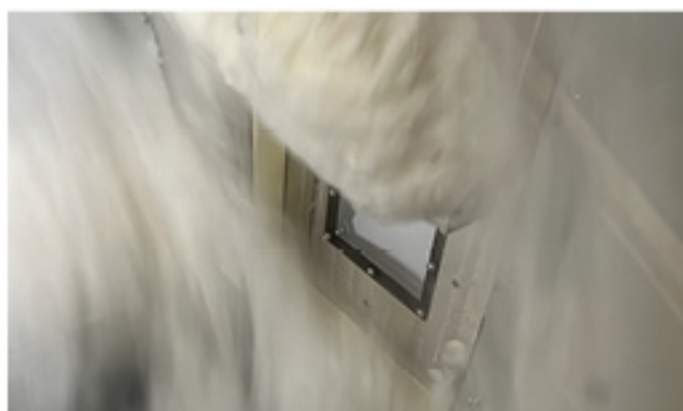
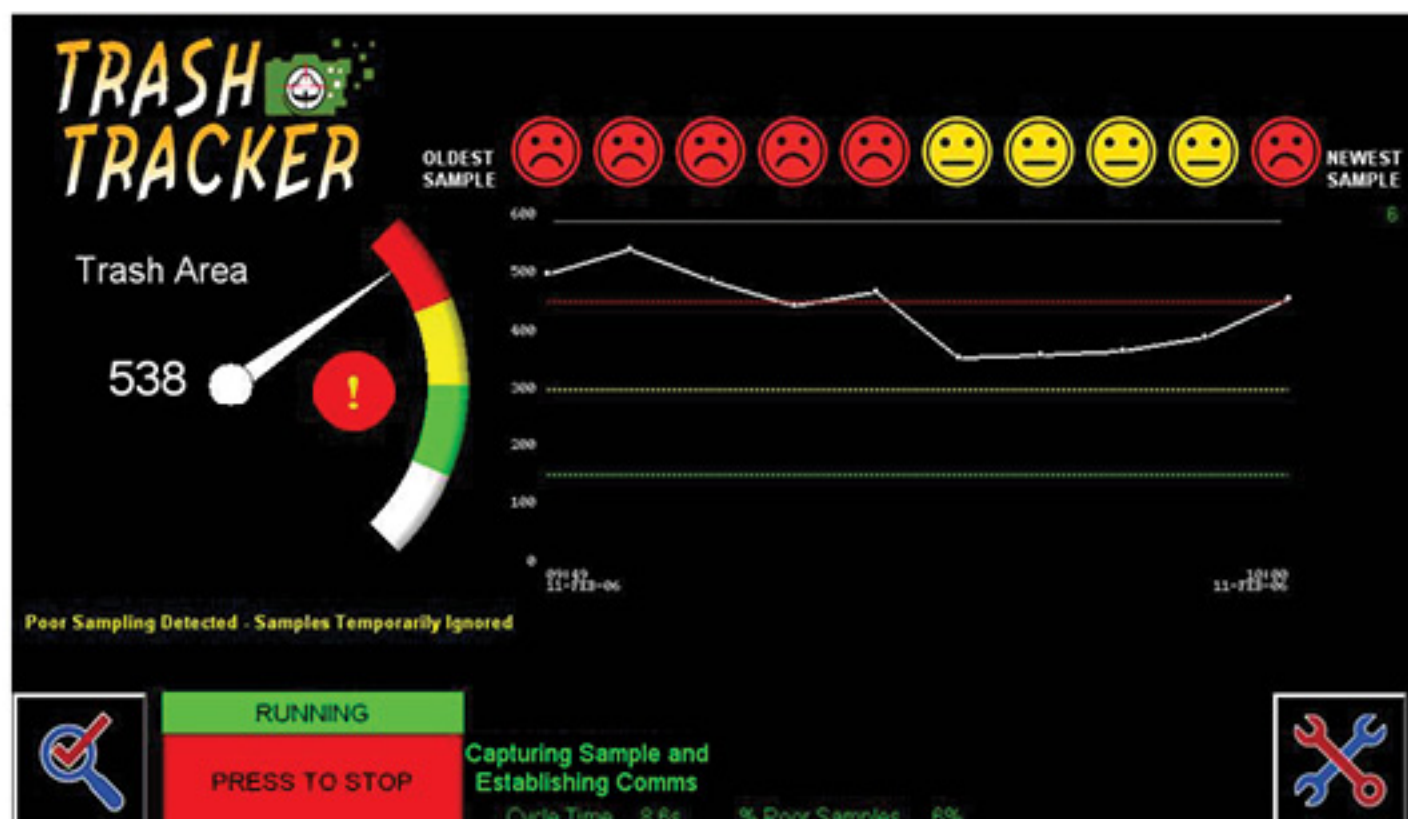
TEXMAX 2 MODULE SENSOR



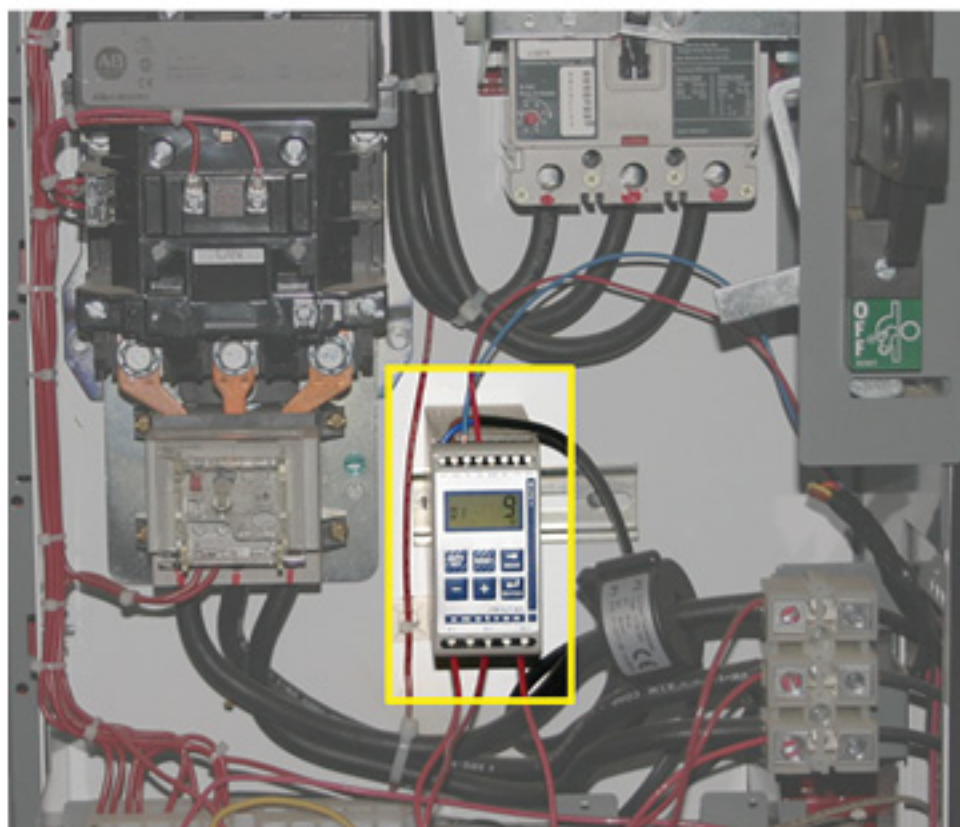
TEXMAX 2 BALE SENSOR



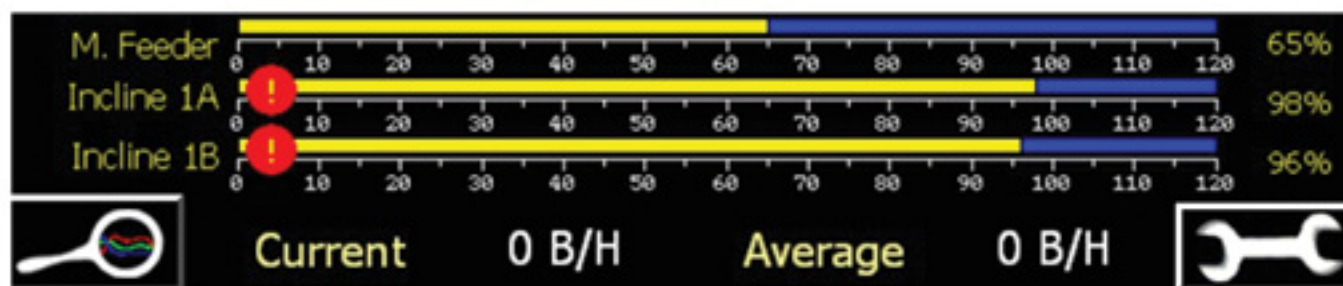
TRASH TRACKER



FLOW ANALYZERS



The 81520 Flow Analyzer is normally installed near the motor starter.



Flow Analyzer 1 Name	Alarm Status	Alarm Trip Point
M. Feeder	Enable {Enable}	90 % {110%}
Flow Analyzer 2 Name	Alarm Status	Alarm Trip Point
Incline 1A	Enable {Enable}	94 % {110%}
Flow Analyzer 3 Name	Alarm Status	Alarm Trip Point
Incline 1B	Enable {Enable}	96 % {110%}

Flow Analyzer channels can be programmed with custom alarms, allowing you to do things like pause the incoming feed if an incline reaches near overloading.

FULL SPECTRUM FUEL DATA



Fuel Cost

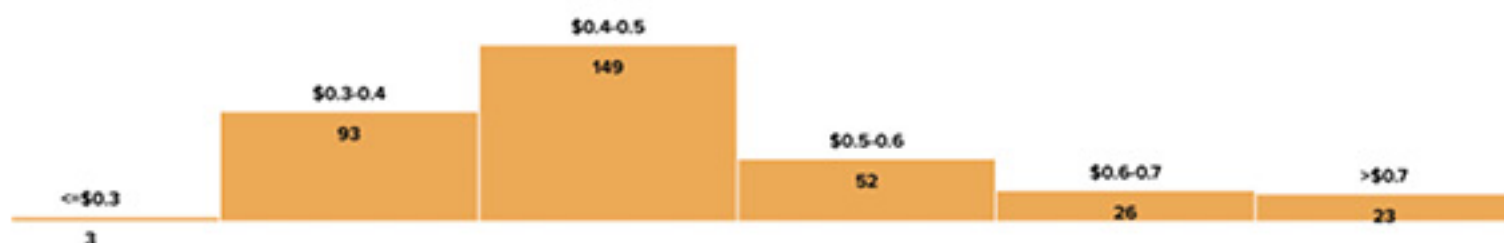
Average Gas Cost Per Bale

0.53 \$/Bale

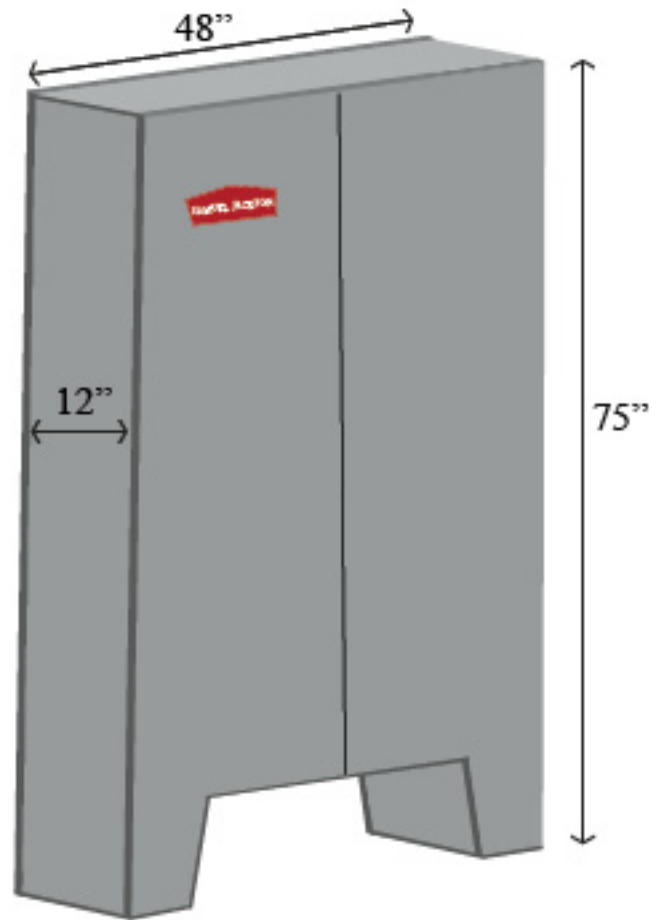
Total Gas Cost

182.62 Dollars

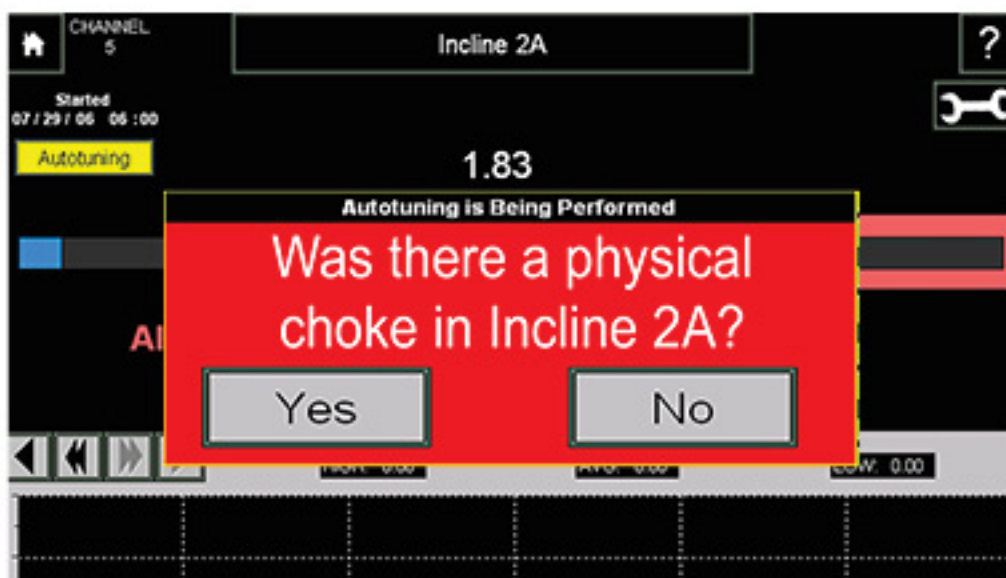
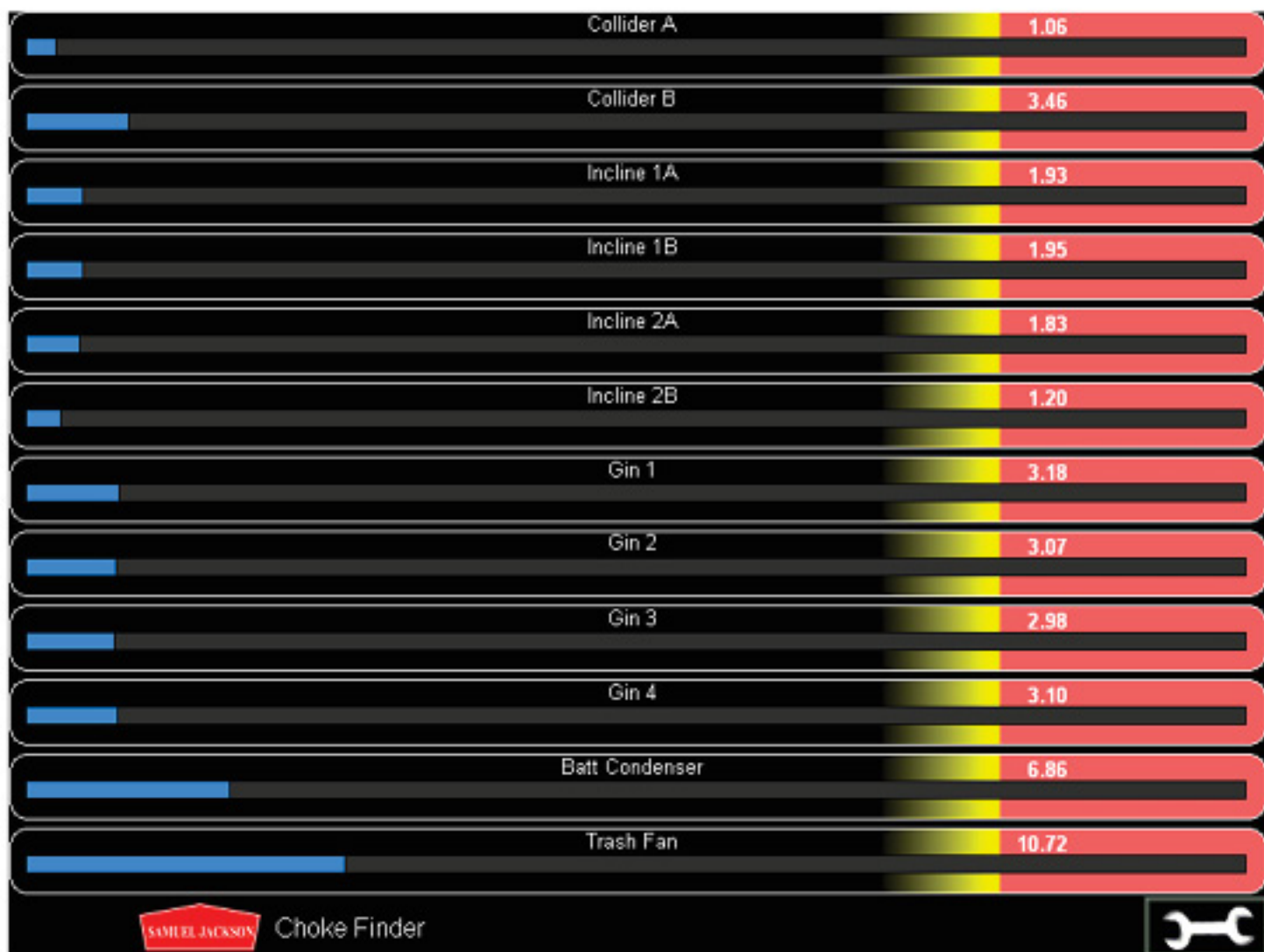
Gas Cost Per Bale Distribution



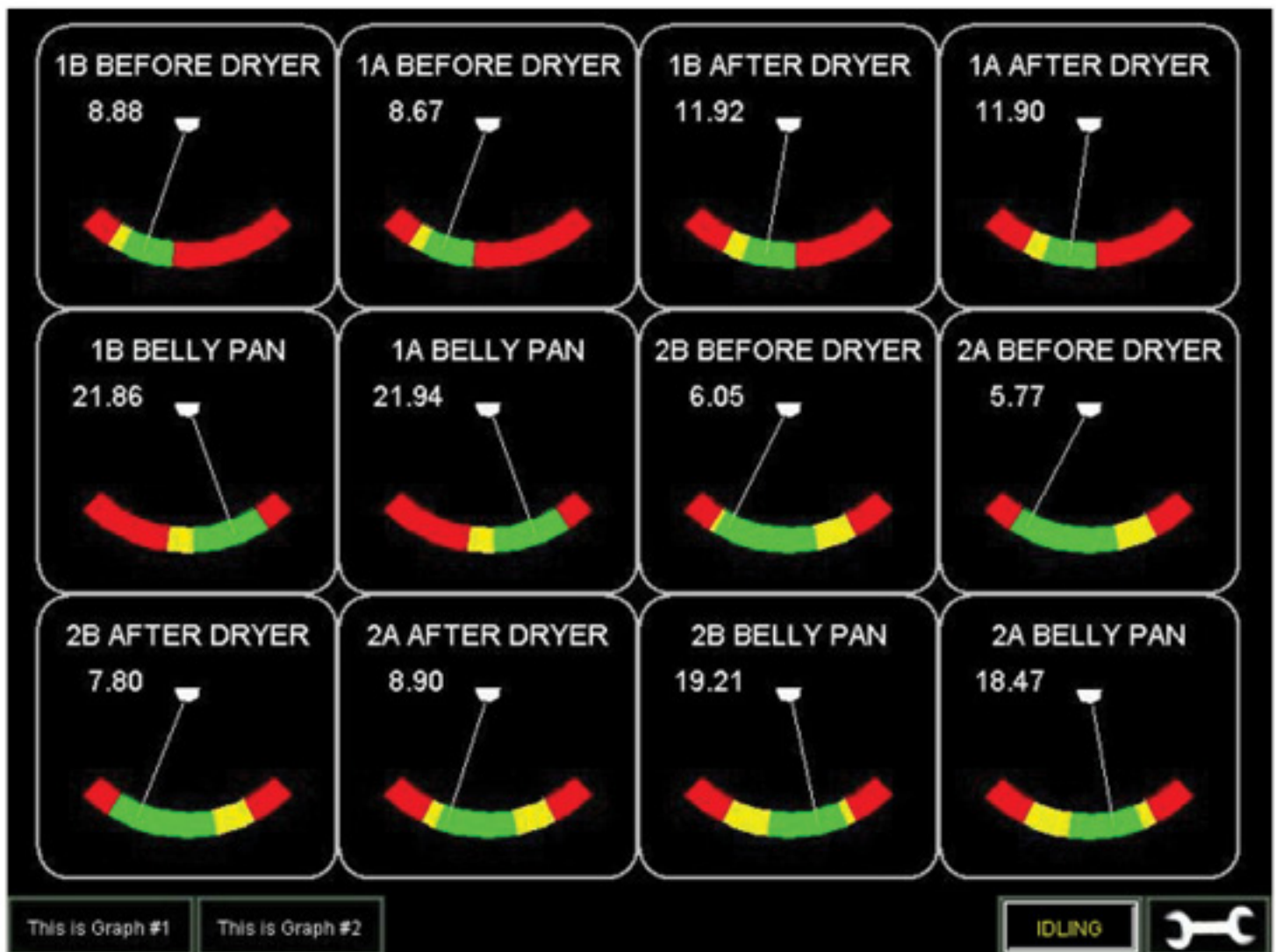
THE TOOL BOX



CHOKE FINDER



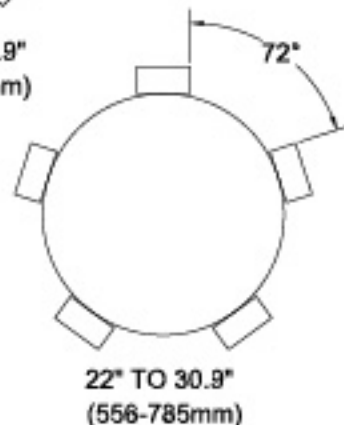
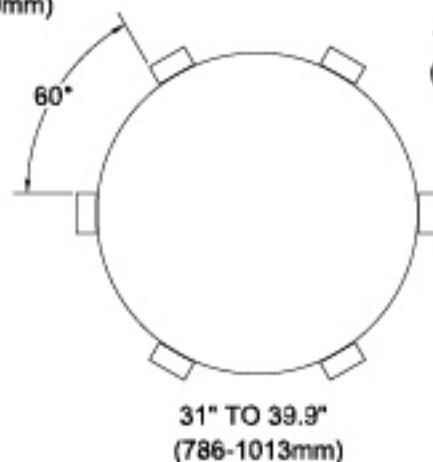
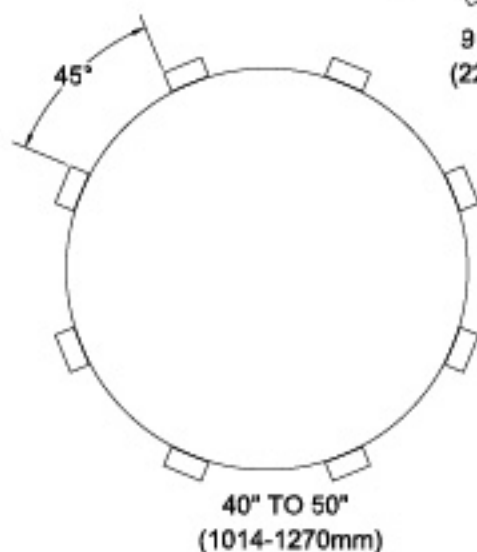
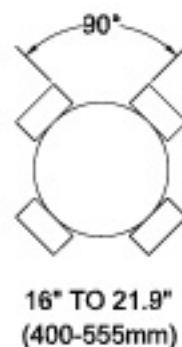
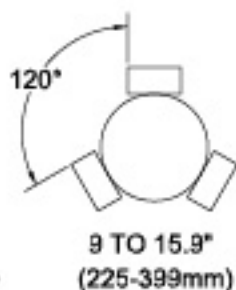
AIR TOOLS



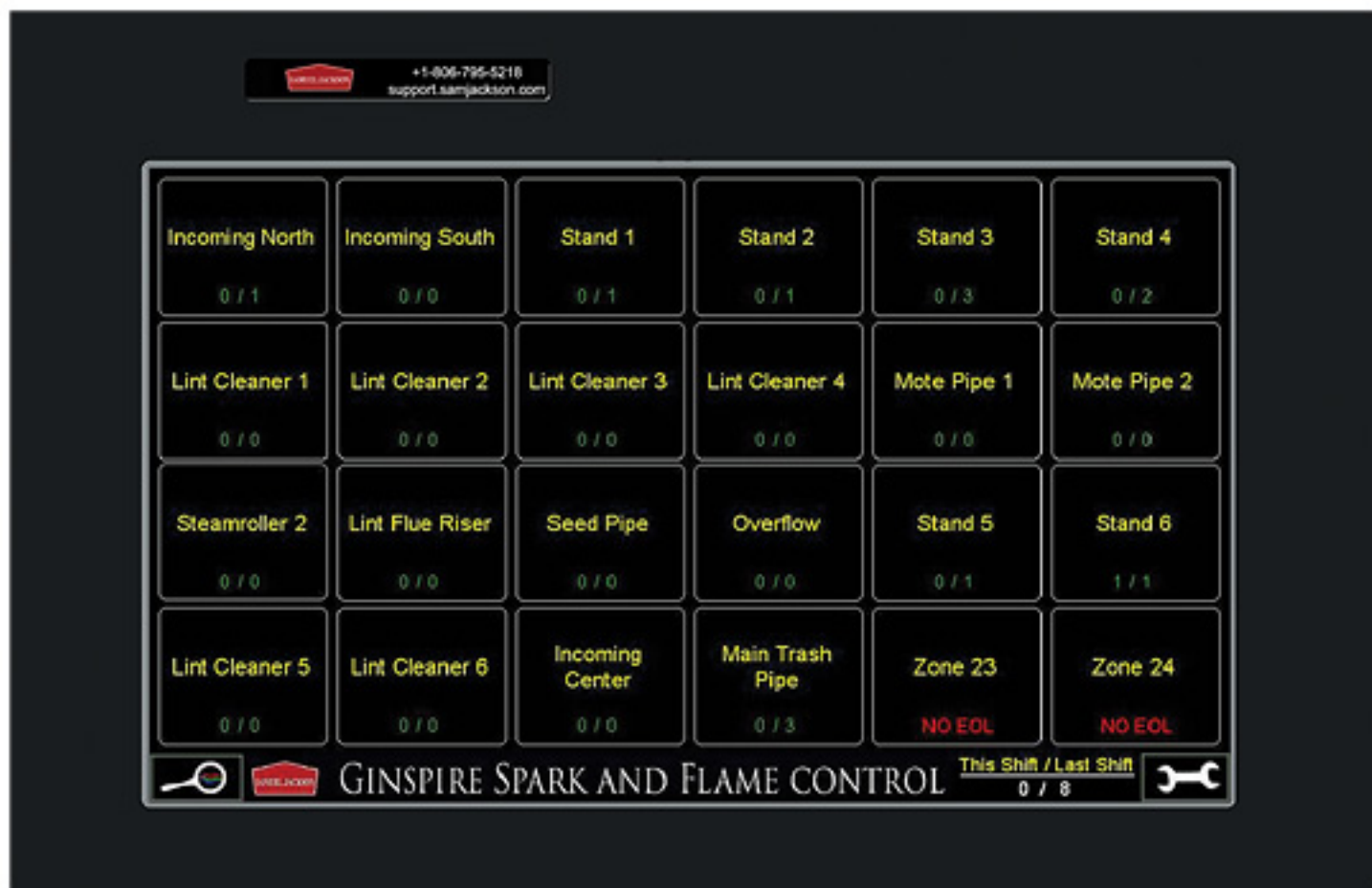
ARGUS - SPARK DETECTION



RECOMMENDED NUMBER OF ARGUS DETECTORS



GINSPIRE



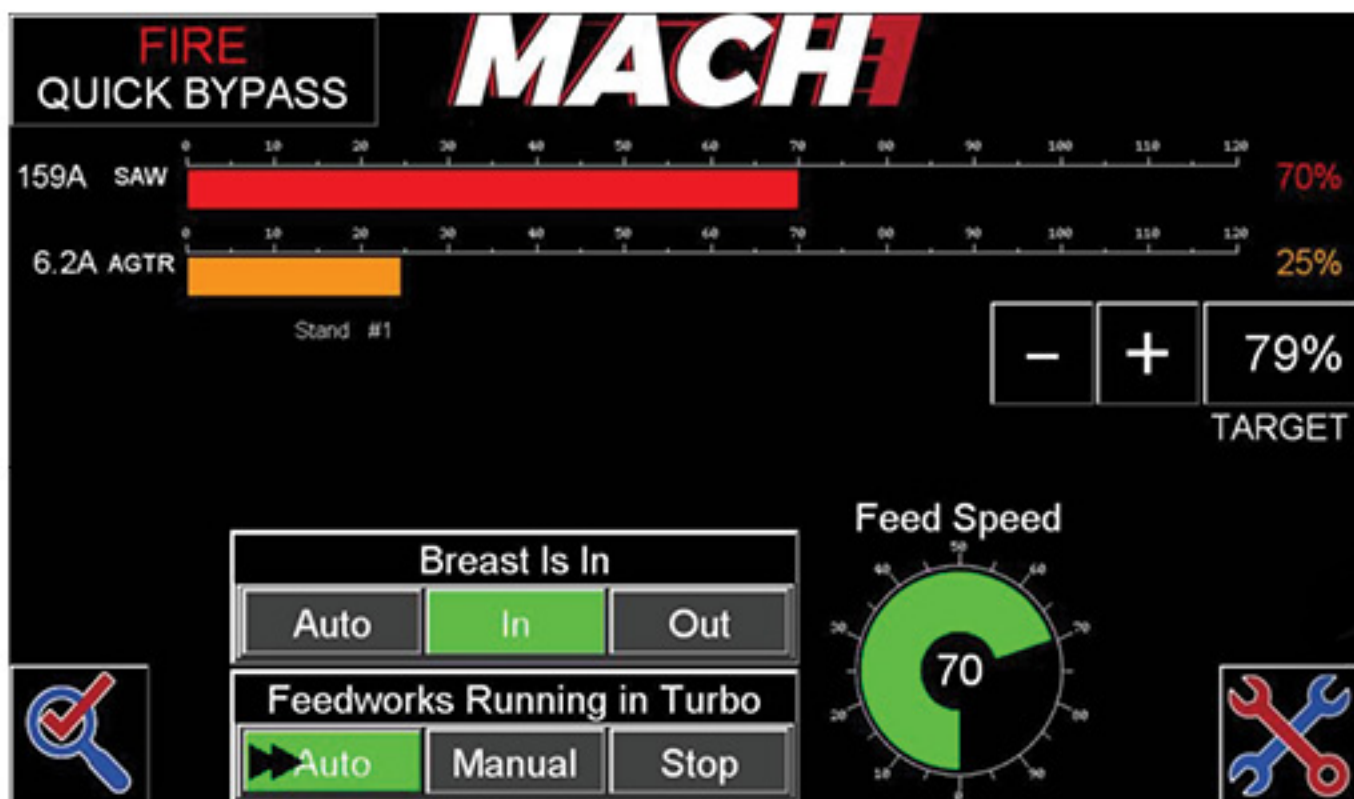
Ginspire provides:

- Logging of individual alarm events
- Text message alert capabilities
- Enhanced system diagnostics
- Loyalty discounts on detectors



FIELD NOTES

MACH 1 GIN STAND CONTROLS



5-25% Faster Ginning

Operating On: Lummus | Consolidated | BC Supply | Cherokee

Features

- Fully automatic control
- Turbo mode for highest throughput
- Soft alarms to keep the gin breast in
- Full air monitoring system to prevent chokes and backlashes
- Many customizable settings
- Easy to understand errors and alarms
- Includes agitator and feedworks VFDs
- Supported by Samuel Jackson team



Lummus Gin Stand

MACH1

GIN STAND CONTROL



Local Home Screen



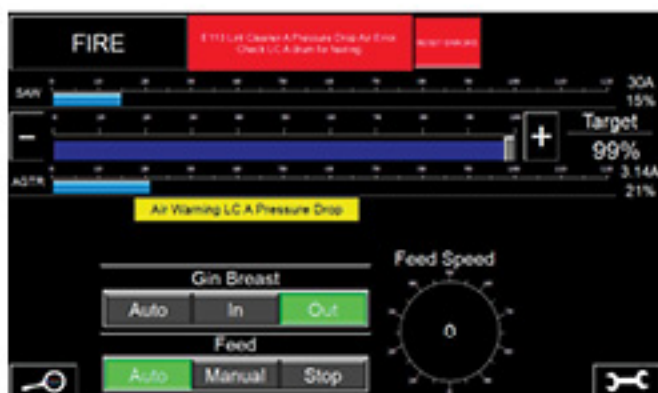
Mach 1 Control Cabinets



Master Console Control



Air Tools Transducers

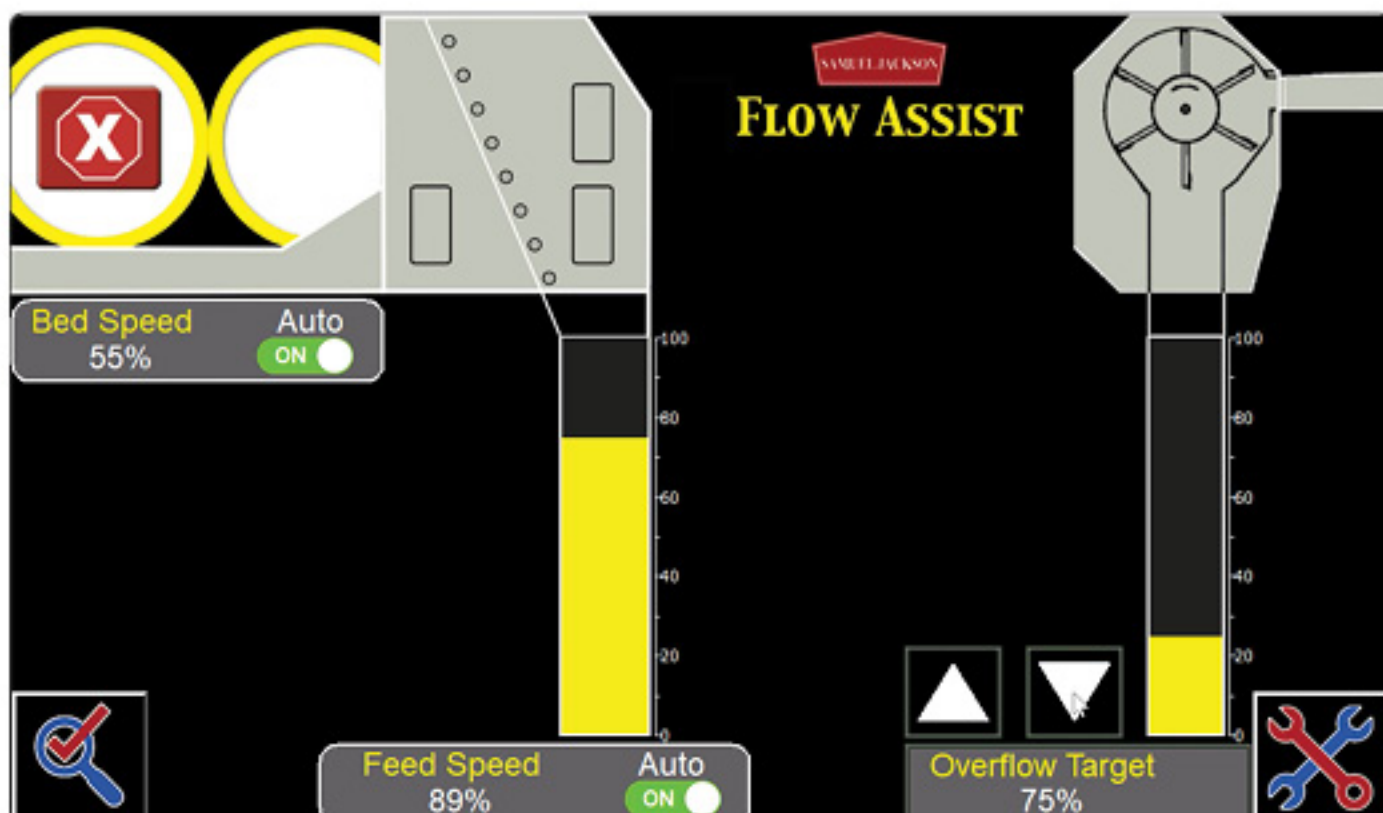


Easy to understand alarm messages



Cherokee Gin Stand

FLOW ASSIST



Flow Assist is an innovative product that's easy to use and understand. The operator simply sets the Overflow Target and Flow Assist maintains consistent cotton levels in the feed control and overflow. These levels are monitored by specially designed cotton height sensors located in both the feed control and the overflow. Combined with settings specific to your gin, Flow Assist can help new ginners who lack experience or experienced ginners who have many other areas of the gin to keep an eye on.

The results of Flow Assist will not be forgetting your feed control. That would

be impractical. More accurately, Flow Assist has been described as similar to cruise control or lane assist in a car. It allows you to think about your speed or your driving MUCH less. This means your ginners are not tripped up by changing modules or gin stands constantly going in and out. But like your car, there are times you will make small adjustments just like you might accelerate to pass or slow down for traffic while driving.

Flow Assist sends a speed signal to the module feeder bed via two wires. All existing module feeder functions and features are preserved.

