

EASYDRY

GRAIN DRYING SYSTEMS



Grain Drying & Storage System

AGI Westeel EasyDry enhances your on-farm grain storage system efficiency and overall grain quality

EasyDry from AGI Westeel is an industry-leading roof-top grain drying system. With improved innovations in technology, engineering, and manufacturing, the EasyDry makes your grain dryer process easier than with your traditional grain drying and storage systems.

The AGI Westeel EasyDry bin is unique from your traditional bin. The EasyDry puts a grain dryer in the top of a grain bin, combining a drying bin, cooling bin, and storage bin all in one. As the grain dries, it is then dumped into the storage area and doubles as a storage bin with no hassle!

Efficient startup value allows you to add grain drying capability to your farm easily and affordably

The industry's highest-rated roof system adds strength, service life and confidence to your EasyDry system

Expandable system to grow your farming operations into larger systems

Low maintenance keeps your operation costs manageable and reduces replacements and repairs

Raise your standards high, with EasyDry



PLENUM BATCH CAPACITIES

MODEL	DIAMETER	BU	M ³	TONNES
24'	23' 10" (7.28 m)	1000	35.2	28.7
27'	26' 10" (8.19 m)	1200	42.3	34.5
30'	29' 10" (9.10 m)	1500	52.9	43.2
36'	35' 10" (10.91 m)	2100	74	60.4

EASYDRY STORAGE CAPACITIES

MODEL	DIAMETER	# OF TIERS	# OF STORAGE RINGS	CAPACITY		
				BU	M ³	TONNES
2407	23' 10" (7.28 m)	7	3.5	4521	150	123
2408		8	4.5	5920	197	161
2409		9	5.5	7318	243	199
2410		10	6.5	8717	290	236
2707	26' 10" (8.19 m)	7	3.5	5722	190	155
2708		8	4.5	7492	249	203
2709		9	5.5	9262	308	251
2710		10	6.5	11032	367	299
2711		11	7.5	12802	425	347
2712		12	8.5	14572	484	395
3008	29' 10" (9.10 m)	8	4.5	9250	307	251
3009		9	5.5	11435	380	310
3010		10	6.5	13620	453	369
3011		11	7.5	15805	525	429
3012		12	8.5	17991	598	488
3608	35' 10" (10.91 m)	8	4.5	13320	443	361
3609		9	5.5	16466	547	447
3610		10	6.5	19613	652	532
3611		11	7.5	22760	756	617
3612		12	8.5	25906	861	703

Note:

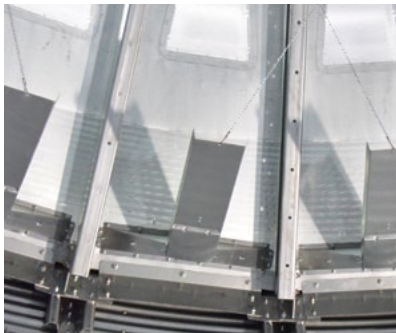
*Storage capacities are based on a bin design with 13" high drying floor and level grain.

(1) Based on 1.244 ft³ per bushel and 6% compaction in cylinder

(2) Based on 770 kg/m³ and 6% compaction in cylinder



Solid eave flashing (not perforated) forces more air through the grain, speeding the drying process and saving energy. Also makes cleaning easier and extends the life of the bin.



Dump chutes in the lower roof enable even distribution of hot grain into the storage bin, enhancing even drying and improving grain quality. Fills and dumps use gravity—not belts or augers—to help lower maintenance costs.

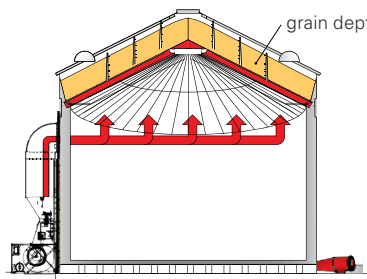
- **Your choice of batch, auto-batch or continuous flow system** to match your grain volume, handling and drying demands
- **State-of-the-art controls, sensors and switches** that provide accurate and reliable operation
- **G-115 galvanization** used throughout, providing up to 27% longer life than the usual G-90. This is important given the hot, moist environment inside the bin
- **A wide range of options and accessories** that add capability, security, and accessibility to your system
- **Unmatched service and support** from a local dealer you trust

Drying Options

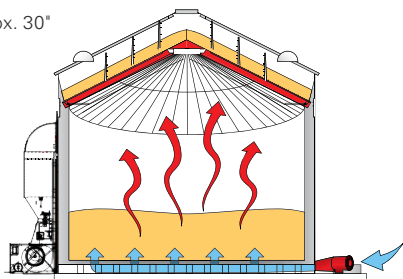
Managing the Grain Drying Process

Batch Drying

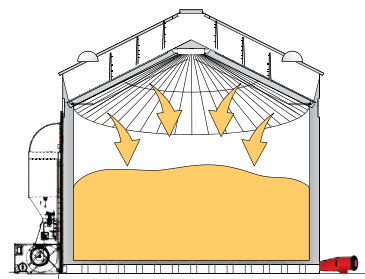
AUTO OR MANUAL Batch Your best choice for drying relatively small or intermittent volumes of grain. Batch drying with AGI Westeel EasyDry combines reliable technology with simple, reliable and easy operation that allows you to manage and control your grain drying. Systems can easily be upgraded to continuous flow.



- Single batch of grain is dumped into the upper drying section of the system
- Fans and heaters force hot air through an even layer of wet grain in the drying chamber



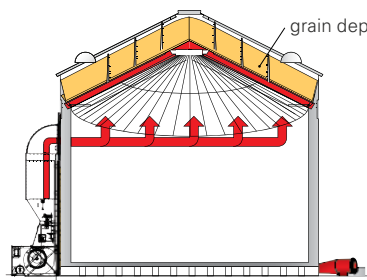
- Heat from previously dried grain is captured by outside air from the cooling fan, and combined with aeration air helping dry the following batch
- This added efficiency helps control energy costs



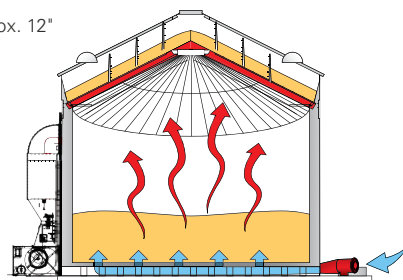
- When grain is dried to specified temperature, fans and heaters stop operating
- Dump chutes are opened either manually or automatically to allow hot dried grain to fall into the cooling/storage area
- Drying chamber is refilled with grain manually or automatically to begin the next batch

Continuous Flow

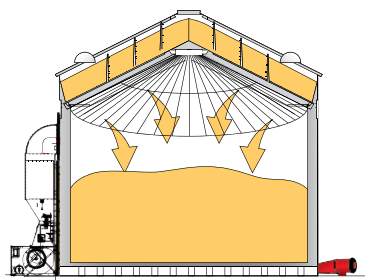
AUTOMATIC Provides 24-hour continuous and automatic operation with high degree of reliability and accuracy. An electric motor with hydraulic cylinder is controlled by temperature sensors in the grain column to automatically open and close dump spouts. A variety of available sensors monitor grain levels to help keep your AGI Westeel EasyDry system operating continuously.



- Steady supply of grain is continuously dumped into the upper drying section of the system
- Fans and heaters force hot air through layers of grain in varying depths in the drying chamber



- Heat from previously dried grain is captured by outside air from the cooling fan and reused to provide continuous drying
- This added efficiency helps control energy costs



- When grain is dried to specified temperature, dump chutes open to let a set amount of hot dried grain fall into the cooling/storage area
- Drying chamber is automatically refilled and the process continues until there is no more supply of wet grain

Apex Control System

Technology You Can Count On

- 7" Schneider Touchscreen Display Panel
- Complete automated PLC control of the drying and storage system
- Bin or Control Room mounted
- Four grain sensors for more precise control of drying conditions
- Animated display shows current status
- Continuous flow or batch operation with one control system
- Recipes feature saves and recalls all settings
- Delay timers assist auger clean out before shutdown
- Controls allow equipment to start in a timed sequence to prevent excessive voltage drop
- Dual emergency stops at each panel
- Advanced alarm system logs and displays equipment problems
- Universal design allows for use with multiple fan/heater types and manufacturers
- Static pressure monitor alerts if plenum plugs, and shuts down if unsafe pressures reached



Ground-Mounted with Duct Work – The drying fan is mounted at ground level for ease of operation and maintenance. Duct work mounting directs the air to the drying chamber and creates an even heat and air mix.

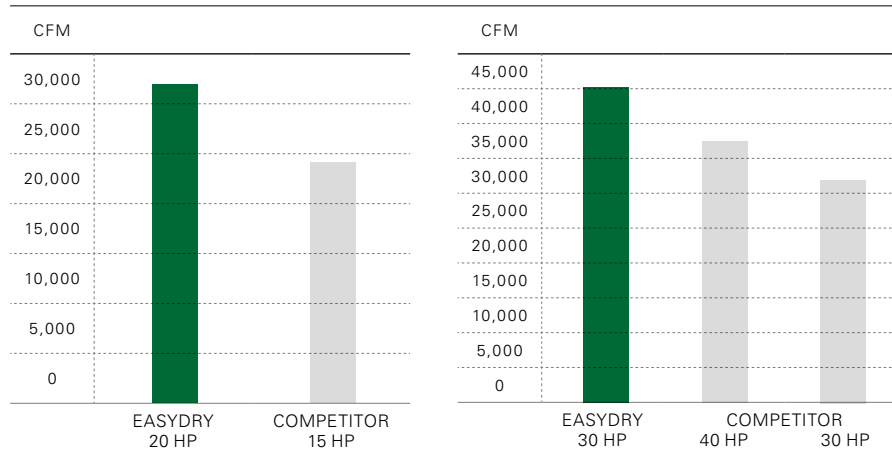
Structural Integrity You Can Rely On

- Diameters 24', 27' 30' & 36'
- 36' – 7 – 12 Rings Tall with 1 or 2 Fan/Heaters
30' – 7 – 12 Rings Tall with 1 or 2 Fan/Heaters
27' – 7 – 12 Rings Tall with 1 or 2 Fan/Heaters
24' – 7 – 12 Rings Tall with 1 Fan/Heater
- Commercial sidewalls/stiffeners for superior strength
- Plenum structure uses design features from commercial rafter roof for exceptional strength and ease of installation
- Over 11% stronger than competitive structures!
- Strength tested using 200,000 lbs of corn versus the usual 180,000 lbs of pea gravel
- Goose-neck Vent design come complete with a 3/4" or 1" mesh screen to prevent birds from entering the bin.
- Ground-mounted fan/heater options

Air Delivery

More Air Flow to Quickly and Efficiently Dry Grain

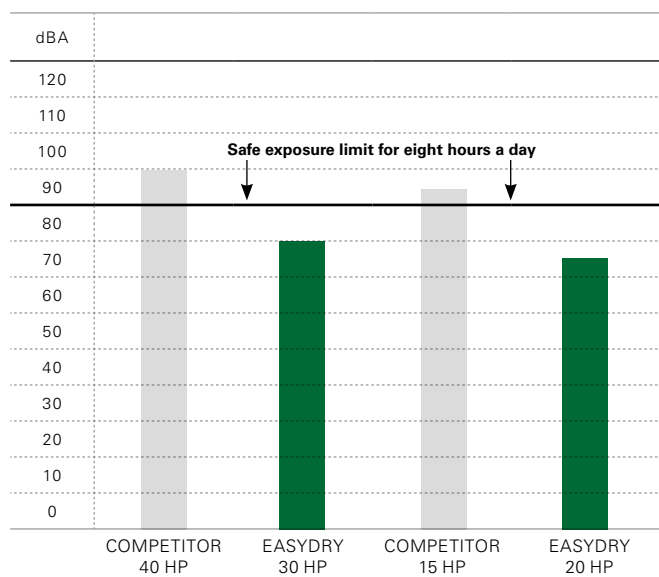
AIRFLOW AT 1.5 IN. OF STATIC PRESSURE



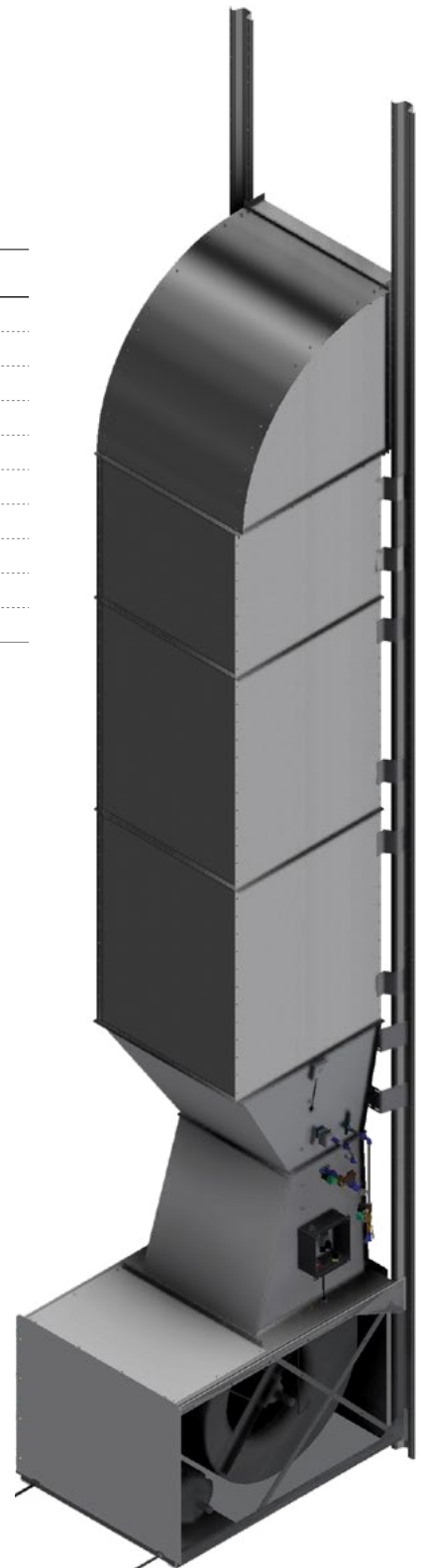
- Generates higher CFM than competitive systems
- Extensively tested to assure optimal performance and maximum efficiency
- Available in both 20HP and 30HP models
- Easily upgradable for future expansion

Whisper Quiet Operation

SOUND LEVEL 20FT FAR FROM FAN INLET



- So quiet you can have a normal conversation while standing near the unit
- Nearly 4 times quieter than any competitive system on the market today



BATCH DRYING SYSTEM

EASYDRY DIA			24' BIN 1-FAN			27' BIN 1-FAN			30' BIN 1-FAN		
FAN-HEAT UNIT	PLENUM TEMP	INITIAL MOISTURE	BU/HR	BATCH TIME	METRIC TON/HR	BU/HR	BATCH TIME	METRIC TON/HR	BU/HR	BATCH TIME	METRIC TON/HR
20 HP 6.2 million BTU	140°F-60°C	20%	400	2.6	10	450	3.2	11	480	3.5	12
	140°F-60°C	25%	200	5.3	5	225	6.4	6	240	6.9	6
	140°F-60°C	30%	133	7.9	3	150	9.7	4	160	10.4	4
	160°F-71°C	20%	497	2.1	13	559	2.6	14	597	2.8	15
	160°F-71°C	25%	249	4.2	6	280	5.2	7	298	5.6	8
	160°F-71°C	30%	166	6.3	4	186	7.8	5	199	8.4	5
	180°F-82°C	20%	599	1.8	15	674	2.2	17	719	2.3	18
	180°F-82°C	25%	300	3.5	8	337	4.3	9	360	4.6	9
	180°F-82°C	30%	200	5.3	5	225	6.5	6	240	6.9	6
30 HP 8.8 million BTU	140°F-60°C	20%	630	1.7	16	659	2.2	17	699	2.4	18
	140°F-60°C	25%	315	3.3	8	330	4.4	8	350	4.8	9
	140°F-60°C	30%	210	5.0	5	220	6.6	6	233	7.1	6
	160°F-71°C	20%	783	1.3	20	820	1.8	21	870	1.9	22
	160°F-71°C	25%	392	2.7	10	410	3.5	10	435	3.8	11
	160°F-71°C	30%	261	4.0	7	273	5.3	7	290	5.7	7
	180°F-82°C	20%	944	1.1	24	989	1.5	25	1049	1.6	27
	180°F-82°C	25%	472	2.2	12	495	2.9	13	524	3.2	13
	180°F-82°C	30%	315	3.3	8	330	4.4	8	350	4.8	9

EASYDRY DIA			30' BIN 2-FAN			36' BIN 1-FAN			36' BIN 2-FAN		
FAN-HEAT UNIT	PLENUM TEMP	INITIAL MOISTURE	BU/HR	BATCH TIME	METRIC TON/HR	BU/HR	BATCH TIME	METRIC TON/HR	BU/HR	BATCH TIME	METRIC TON/HR
20 HP 6.2 million BTU	140°F-60°C	20%	719	2.3	18				799	2.8	20
	140°F-60°C	25%	360	4.6	9				400	5.7	10
	140°F-60°C	30%	240	6.9	6				266	8.5	7
	160°F-71°C	20%	895	1.9	23				995	2.3	25
	160°F-71°C	25%	448	3.7	11				497	4.6	13
	160°F-71°C	30%	298	5.6	8				332	6.8	8
	180°F-82°C	20%	1079	1.5	27				1199	1.9	30
	180°F-82°C	25%	539	3.1	14				599	3.8	15
	180°F-82°C	30%	360	4.6	9				400	5.7	10
30 HP 8.8 million BTU	160°F-71°C	20%				719	3.1	18	1239	1.8	31
	160°F-71°C	25%				360	6.3	9	620	3.7	16
	160°F-71°C	30%				240	9.4	6	413	5.5	10
	180°F-82°C	20%				895	2.5	23	1542	1.5	39
	180°F-82°C	25%				448	5.1	11	771	2.9	20
	180°F-82°C	30%				298	7.6	8	514	4.4	13
	200°F-93°C	20%				1079	2.1	27	1858	1.2	47
	200°F-93°C	25%				539	4.2	14	929	2.4	24
	200°F-93°C	30%				360	6.3	9	619	3.7	16

*Batch Capacities exclude loading and unloading time.

*Estimates based on 45 deg F ambient temperature, 65% relative humidity, and 85% average exhaust relative humidity.

*Estimates are for #2 yellow corn dried to 15% moisture. Cooling fan not considered in capacity.

*Capacity can vary greatly depending on weather conditions, kernel size/variety, amount of fines, etc.

CONTINUOUS FLOW DRYING SYSTEM

EASYDRY DIA			24' BIN 1-FAN		27' BIN 1-FAN		27' BIN 2-FAN	
FAN-HEAT UNIT	PLENUM TEMP	INITIAL MOISTURE	BU/HR	METRIC TON/HR	BU/HR	METRIC TON/HR	BU/HR	METRIC TON/HR
20 HP 6.2 million BTU	160°F-71°C	20%	646	16	671	17	1094	28
	160°F-71°C	25%	323	8	336	9	547	14
	160°F-71°C	30%	215	5	224	6	365	9
	180°F-82°C	20%	779	20	809	21	1319	33
	180°F-82°C	25%	390	10	405	10	659	17
	180°F-82°C	30%	260	7	270	7	440	11
	200°F-93°C	20%	916	23	952	24	1551	39
	200°F-93°C	25%	458	12	476	12	775	20
	200°F-93°C	30%	305	8	317	8	517	13
30 HP 8.8 million BTU	160°F-71°C	20%	820	21	895	23		
	160°F-71°C	25%	410	10	448	11		
	160°F-71°C	30%	273	7	298	8		
	180°F-82°C	20%	989	25	1079	27		
	180°F-82°C	25%	495	13	539	14		
	180°F-82°C	30%	330	8	360	9		
	200°F-93°C	20%	1163	30	1269	32		
	200°F-93°C	25%	582	15	634	16		
	200°F-93°C	30%	388	10	423	11		

EASYDRY DIA			30' BIN 1-FAN		30' BIN 2-FAN		36' BIN 1-FAN		36' BIN 2-FAN	
FAN-HEAT UNIT	PLENUM TEMP	INITIAL MOISTURE	BU/HR	METRIC TON/HR	BU/HR	METRIC TON/HR	BU/HR	METRIC TON/HR	BU/HR	METRIC TON/HR
20 HP 6.2 million BTU	160°F-71°C	20%	696	18	1144	29			1193	30
	160°F-71°C	25%	348	9	572	15			597	15
	160°F-71°C	30%	232	6	381	10			398	10
	180°F-82°C	20%	839	21	1379	35			1439	37
	180°F-82°C	25%	420	11	689	18			719	18
	180°F-82°C	30%	280	7	460	12			480	12
	200°F-93°C	20%	987	25	1621	41			1692	43
	200°F-93°C	25%	493	13	811	21			846	21
	200°F-93°C	30%	329	8	540	14			564	14
30 HP 8.8 million BTU	160°F-71°C	20%	932	24			957	24	1790	45
	160°F-71°C	25%	466	12			479	12	895	23
	160°F-71°C	30%	311	8			319	8	597	15
	180°F-82°C	20%	1124	29			1154	29	2158	55
	180°F-82°C	25%	562	14			577	15	1079	27
	180°F-82°C	30%	375	10			385	10	719	18
	200°F-93°C	20%	1322	34			1357	34	2538	64
	200°F-93°C	25%	661	17			679	17	1269	32
	200°F-93°C	30%	441	11			452	11	846	21

*Contentious Flow Capacities

*Estimates based on 45 deg F ambient temperature, 65% relative humidity, and 85% average exhaust relative humidity.

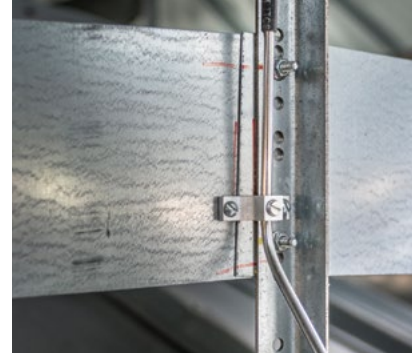
*Estimates are for #2 yellow corn dried to 15% moisture. Cooling fan not considered in capacity.

*Capacity can vary greatly depending on weather conditions, kernel size/variety, amount of fines, etc.

Performance-Enhancing Design Features



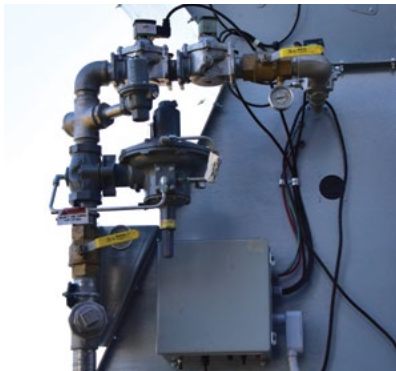
The AGI Westeel EasyDry has the **strongest roof system** in the industry, with peak load capacity of up to 6,000 lbs. (2,721 kg). "Up position" eave clips help exhaust moisture-laden air.



Grain temperature probes measure and automatically average the grain temperature in the upper chamber to control the dryer functions.



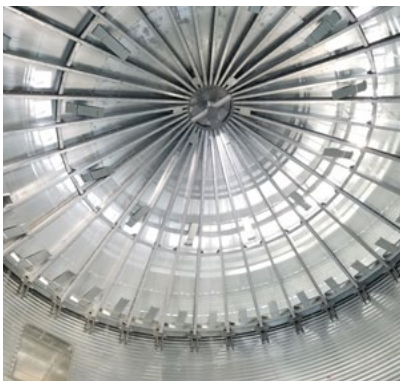
Leveling bands in the drying chamber are strategically located to work with gravity and the angle of repose of grain to create a consistent, evenly distributed layer of grain depth for optimum drying efficiency.



Y-section burner provides an even, efficient burn.



Built-in gooseneck vents in the upper roof vent hot moist air out of the drying chamber to improve drying times.



Strong, rugged **overhead drying floor** structure provides support for up to 2,100 bushels of grain during the drying process.



Hydraulic Pump with air return provides ultimate reliability. Available on auto-batch and continuous flow models.

Certified Accessories

Protect your Investment with AGI Westeel EasyDry Certified Accessories

AGI Westeel EasyDry bin is designed to pair perfectly with performance-enhancing accessories. The AGI Westeel accessory lineup has been rigorously designed or selected by our expert engineers to work perfectly with your EasyDry bin and add to its overall performance. Better still, when installed correctly, their use protects your bin's structural integrity as well as your AGI Westeel warranty. Consider them your reliable assurance for years of trouble-free performance and peace of mind.

Bin Accessibility

Spiral Stairs

AGI Westeel's spiral staircase makes it easy to access the bin's roof and inspection hatch securely. The top platforms can be installed at a full tier height location (in line with the eaves) or at a half tier height location (midway on the top tier). AGI Westeel's stair treads are a full 24" wide and stairs are spaced at six per bin tier, making ascension easier and reducing the likelihood of trips when descending.



Platforms

Many platform packages are available for your AGI Westeel EasyDry system, including peak platforms and stand-off platforms that can be installed anywhere along the bin's sidewall staircase to provide conveniently placed rest and work areas. An inter-bin platform can also be installed between two bins at the top, allowing access to both bin roofs with a single staircase.



Ladders & Safety Cages

When grain bin accessibility is a concern, AGI Westeel's ladder and safety cage products offer the perfect solution for your EasyDry system. Our product lineup includes roof ladders, sidewall ladders, inside ladders and safety cages.



Roof Stairs

Roof stairs can be installed to the left or right of the inspection hatch of the EasyDry system to provide easier access to the bin's roof cap and eaves. The roof stair package comes complete with a handrail as well as a mid-rail for additional security. The stairs are the same as found on AGI Westeel's spiral staircase and feature a raised grip for sure footing and proper drainage.



Lock-n-Load Floor System

High Performance, Strength & Accessibility

AGI Westeel's premium aeration option, the Lock-n-Load floor system, delivers maximum performance when you require full volume conditioning or natural air drying of your grain or oilseed crops. The system can be easily installed in all new and existing Series 14, through Series 60 AGI Westeel bins and the EasyDry system. The system's unique use of multiple flashing, complete with appropriate hardware, provides a better seal at the bin's edge and reduces installation time.

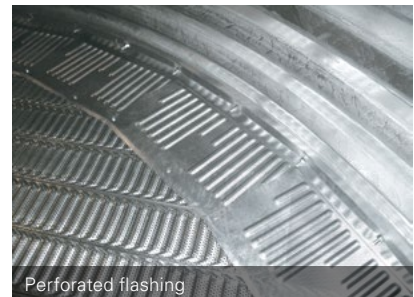
Additionally, AGI Westeel's Lock-n-Load floor system features a uniquely perforated flashing (which permits aeration near the bin wall) and full-width perforation on the floor planks. The result is improved air flow circulation to the entire grain mass with no dead spots.

Supports for Depth, Ease & Improved Airflow

Completely re-engineered, AGI Westeel's uniquely shaped support in the plank increases the structural strength and overall stability, resulting in a stronger floor that handles grain with up to 100 feet of grain depth.

The floor planks have a 10" width which effectively cuts down the number of planks and assembly parts required by over 40%.

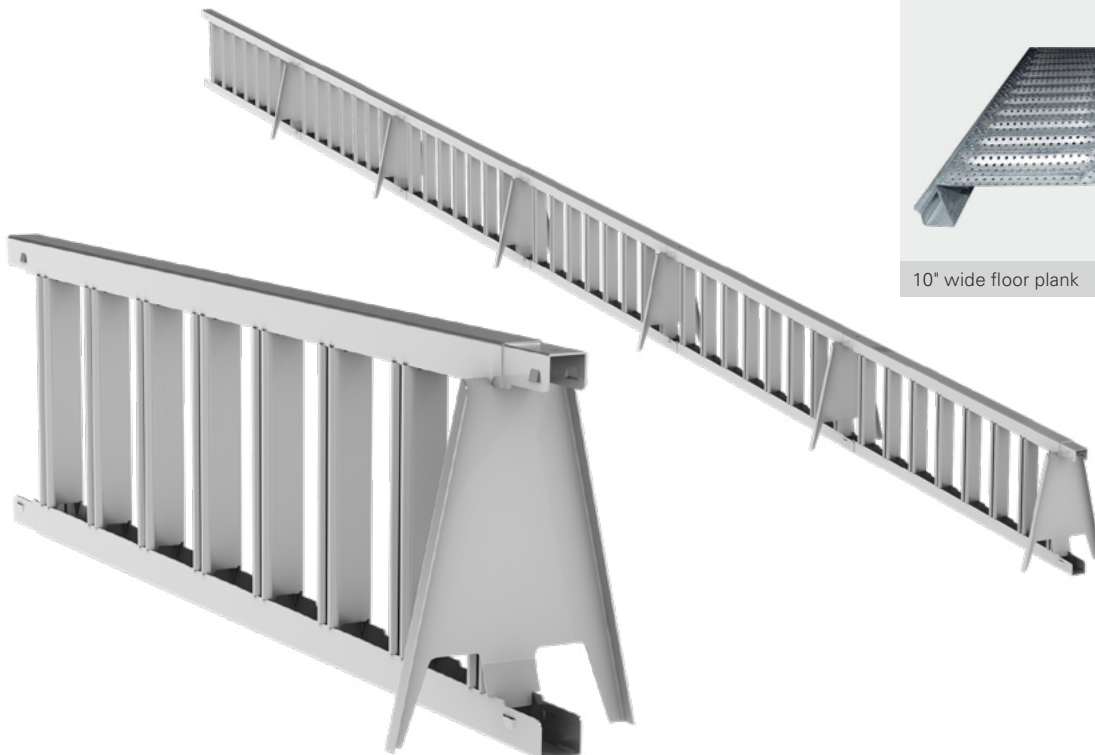
Additionally, the more open design of the floor's supports provides for significantly improved air movement beneath the floor, increasing the total volume of air pushed through the grain mass. The planks themselves are available with two sizes of perforation: 0.050 for small grains and 0.094 for large grains.



Perforated flashing



10" wide floor plank



Galvanized floor supports

EasyFlow2 Bin Unloads

Dependable, Trouble-Free Unloading For Your EasyDry System

AGI Westeel's EasyFlow2 Unload Systems are designed for the rigors of on-farm use and feature superior durability, strength and performance. Make grain clean-out from your EasyDry system easy and efficient with the AGI Westeel U-Trough or Tube unload systems.

FEATURES

Large double center gearbox with solid, common shaft for increased longevity

Aggressive wheel tread pattern and adjustable backboard allows the bin sweep to have a forceful advance into the grain pile for improved clean-out

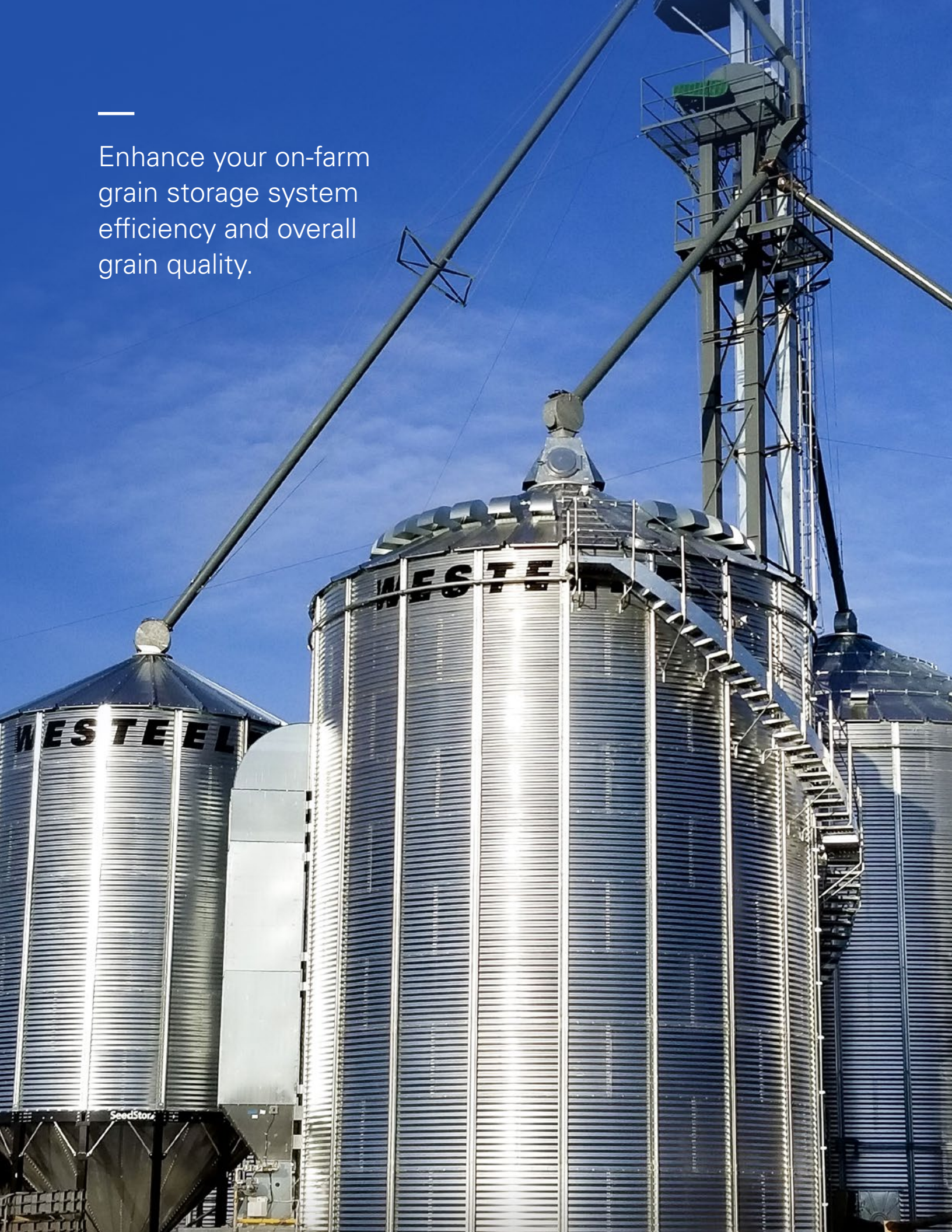
Lower gearbox features internal shifting mechanism for secure engaging sweep from outside of the bin

End wheel is equipped with a unique fender, designed to redirect grain back into the sweep flighting, also improving clean-out along the bin wall

Easy maintenance provided by removing the unload flight without requiring to remove the motor or rest of the powerhead



Enhance your on-farm
grain storage system
efficiency and overall
grain quality.





WESTEEL is an AGI Brand.

AGI is a leading provider of equipment solutions for agriculture bulk commodities including seed, fertilizer, grain, and feed systems with a growing platform in providing equipment and solutions for food processing facilities. AGI has manufacturing facilities in Canada, the United States, the United Kingdom, Brazil, India and Italy and distributes its products globally.

AGI  WESTEEL

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