

TEMPORARY STORAGE



Why Temporary Storage?

It makes economic sense

AGI Union Iron Temp-Stor temporary grain storage systems are an inexpensive alternative to traditional permanent storage systems. AGI Union Iron systems require limited capital investment: as low as \$.09 per bushel.

Temp-Stor installs quickly, in a manner of days, not weeks or months. This lowers the risk associated with building grain storage. Quick installation permits elevators to make buying decisions at the last minute, after they have determined the need, not before.

The standard AGI Union Iron Temp-Stor aeration system provides an airflow rate of $1/10$ CFM per bushel; higher airflow rates are available as needed. The higher airflow rates ensure grain quality is maintained so loss is minimized.

Our track record

AGI Union Iron, headquartered in Decatur, Illinois, USA, has been manufacturing quality products since 1852 - over 150 years.

AGI Union Iron manufactures and markets the most complete line of material handling equipment in the industry: drag conveyors, screw conveyors, distributors, trusses, towers, probes, and accessories.

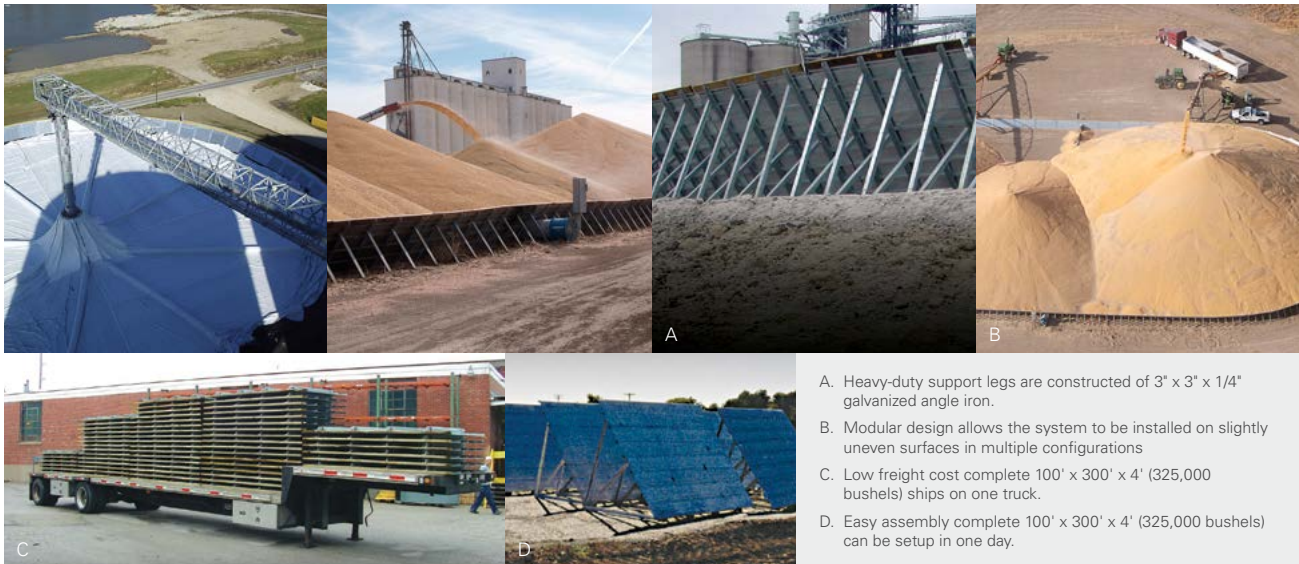
AGI Union Iron has manufactured the Temp-Stor temporary grain storage system since 2000. Hundreds of systems have been installed over the globe at country elevators, river and rail terminals and even large farms.

Features and benefits

AGI Union Iron Temp-Stor temporary grain storage system can be installed in any available space with minimal site preparation. Normally, a raised pad of 4" crushed limestone is sufficient.

Because the walls are constructed in sections, an unlimited number of configurations are possible. The units can also be quickly disassembled and reinstalled in different locations, as needed. After disassembly, the site can easily be returned to its original state.

The 3" x 3" x 1/4" galvanized structure and galvanized planking ensure a long product life, able to withstand multiple reinstallations.



Aeration

Each AGI Union Iron Temp-Stor system is custom designed to preserve grain quality by maintaining proper airflow. Most AGI Union Iron systems are designed with a minimum of $1/10$ CFM per bushel. Keeping grain cool and dry controls organisms and reduces the risk of loss. The negative pressure aeration system allows grain condition to be monitored, as the air exiting the fans has already passed through the grain mass. The negative pressure system also assists in maintaining a tight tarp-to-pile seal.

AGI Union Iron Temp-Stor systems are equipped with AGI Airlanco vane axial and centrifugal aeration fans, that provide maximum airflow and a longer product lifetime. Vane axial fans use balanced cast aluminum blades. Centrifugal fans use a balanced, powder coated, seam welded steel centrifugal wheel.

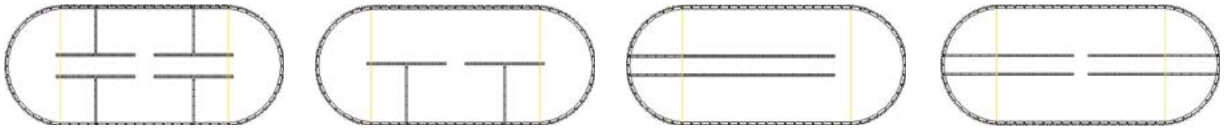




Standard Oval Rectangular Aeration Configurations

Standard Aeration Systems
Designed for Corn at 1/10 CFM
per Bushel Airflow Rate.

Contact AGI Union Iron for Custom Applications



ACCESSORIES

Center Towers

AGI Union Iron Temp-Stor round systems can be loaded using a center tower. As the pile is loaded, the grain discharges through doors in the center pipe.

ACCESSORIES

Tarping Hoisting

AGI Union Iron offers a tarp hoisting system for round piles. The tarp is lifted as the pile is filled. Lifting yokes are available to extend tarp life.

ACCESSORIES

Open Belt Conveyor

AGI Union Iron offers an open belt conveyor to fill Temp Stor units. Union Iron also offers a complete line of en-masse chain conveyors and bend section incline conveyors

ACCESSORIES

Trussing & Towers

AGI Union Iron offers a complete line of truss and towers to support conveying equipment. Truss to free-span up to 170' is available.

RECTANGULAR/OVAL SYSTEM SPECIFICATIONS

SYSTEM WIDTH (FT.)	SYSTEM LENGTH (FT.)	WALL HEIGHT (FT.)	PEAK HEIGHT (FT.)	SYSTEM CAPACITY (BU.)	SYSTEM CAPACITY (FT. ³)
60	100	4	16.73	40,594	50,742
60	100	6	18.73	50,194	62,742
60	100	9	21.73	64,594	80,742
100	300	4	25.22	308,237	385,297
100	300	6	27.22	356,237	445,297
100	300	9	30.22	428,237	535,297
120	300	4	29.47	408,597	510,746
120	300	6	31.47	466,197	582,746
120	300	9	34.47	552,597	690,746
120	1000	4	29.47	1,533,138	1,916,423
120	1000	6	31.47	1,725,138	2,156,423
120	1000	9	34.47	2,013,138	2,156,423
200	800	4	46.45	2,889,059	3,611,324
200	800	6	48.45	3,145,059	3,931,324
200	800	9	51.45	3,529,059	4,411,324

ROUND SYSTEMS SPECIFICATIONS

SYSTEM WIDTH (FT.)	WALL HEIGHT (FT.)	PEAK HEIGHT (FT.)	SYSTEM CAPACITY (BU.)	SYSTEM CAPACITY (FT. ³)
100	4	25.22	69,584	86,980
100	6	27.22	82,150	102,688
100	9	30.22	101,000	126,249
200	4	46.45	456,138	570,173
200	6	48.45	506,404	633,005
200	9	51.45	581,802	727,252
300	4	67.67	1,426,369	1,782,691
300	6	69.67	1,539,466	1,924,333
300	9	72.67	1,709,112	2,136,390



Remember Do not operate equipment with safety devices removed

Sizes given for example only. Contact Union Iron for custom sizes.



UNION IRON 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.

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