



SUPERIOR GRAIN SYSTEMS

**GEAPS GLC  
GONG SHOW  
PRESENTATION**

***April 26, 2018***



# FARM BINS





## UNSTIFFENED FARM BINS

- 15' – 48' diameters
- 3 – 10 rings tall
- 1,836 – 62,397 bushels





## STIFFENED FARM BINS

- 15' – 54' diameters
- 5 – 14 rings tall
- 2,929 – 108,670 bushels
- Unstructured roofs





# COMMERCIAL BINS

- 30' - 105' diameters
- 5 - 27 rings
- 12,502 – 790,334 bushels





# COMMERCIAL BINS

## Structured Roofs

Bin Diameter	Panels	Standard Roof	Optional Roof
30' – 54'	Single-Panel	15k	-
60'	Single-Panel	15K	30k, 50k
75', 90', 105'	Multi-Panel	30K	50K





# COMMERCIAL BINS

## Structured Roofs

- Galvanized Rafters
- Tension Purlins
- Galvanized X-Bracing





## Structured Roofs

### Galvanized Rafters

- Single and double C-channel rafters provide support for structured roofs.







## Structured Roofs

### Tension Purlins

- Designed to go into tension as the weight of the roof pushes down.
- Stabilizes both the roof and the sidewall sheets to eliminate distortion.





## Structured Roofs

### X-Bracing

- Galvanized X-Bracing for secure alignment of rafters and roof sheets.





# COMMERCIAL BINS

## Structured Roofs

### Formed Peak Ring

- 3 breaks instead of one to resist deformation.
- Roof panels rest on peak ring and are pressed into a foam closure to seal against wind-driven snow or rain.

### Hard Cap Option





# COMMERCIAL BINS

## Peak Walk-Around Platform

- Bolt-together galvanized construction.





# COMMERCIAL BINS

## Roof Stairs

- Bolt-together galvanized construction eliminates failure, rust formation or welds cracking
- Adjustable treads
- 34" x 60" platform.





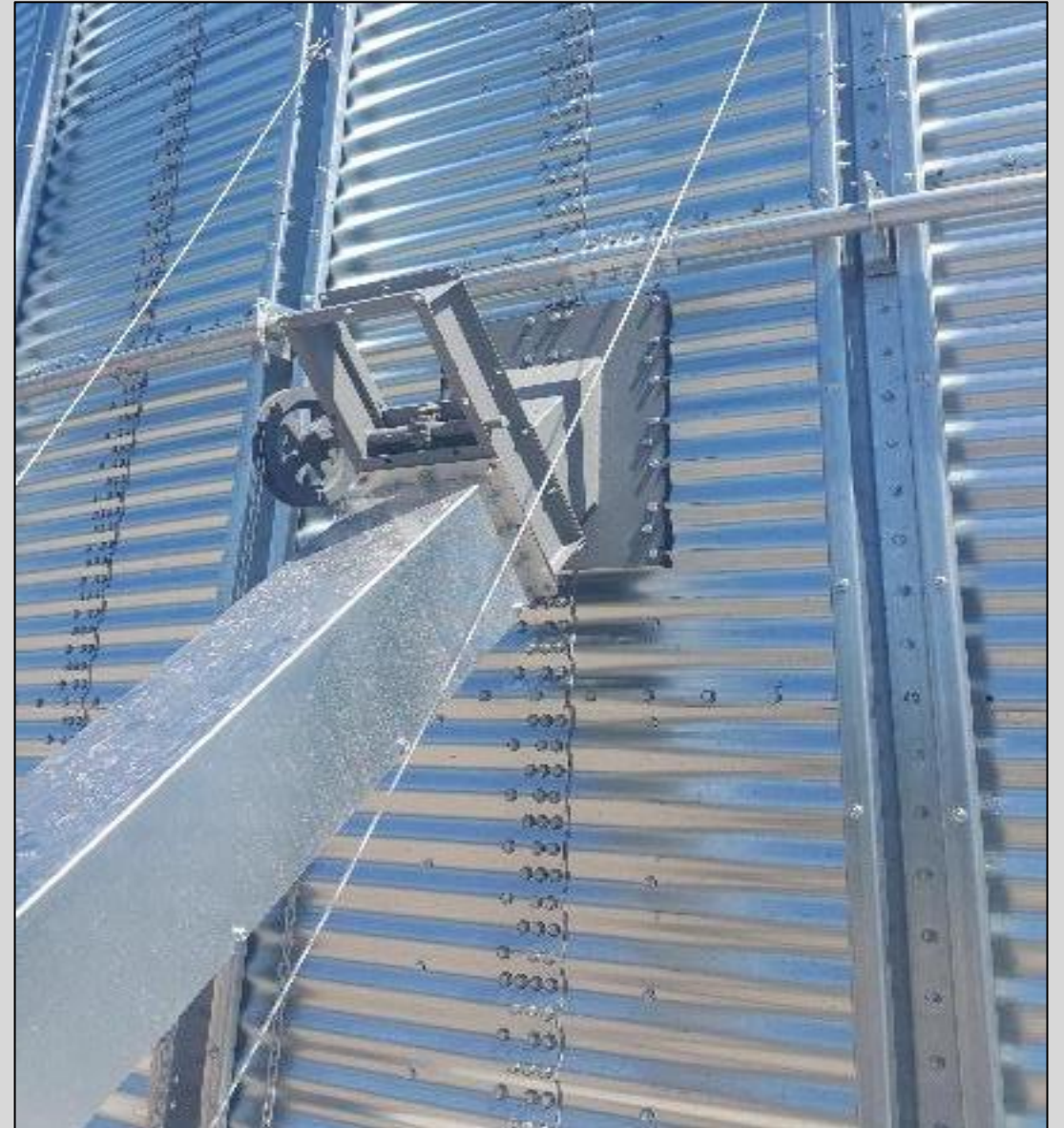
# COMMERCIAL BINS

## Side draws

- Exits the bin in 6<sup>th</sup> ring
- Gate and chute standard

## Side wall wind rings

- Standard at 12 rings tall
- Additional ring every 88"

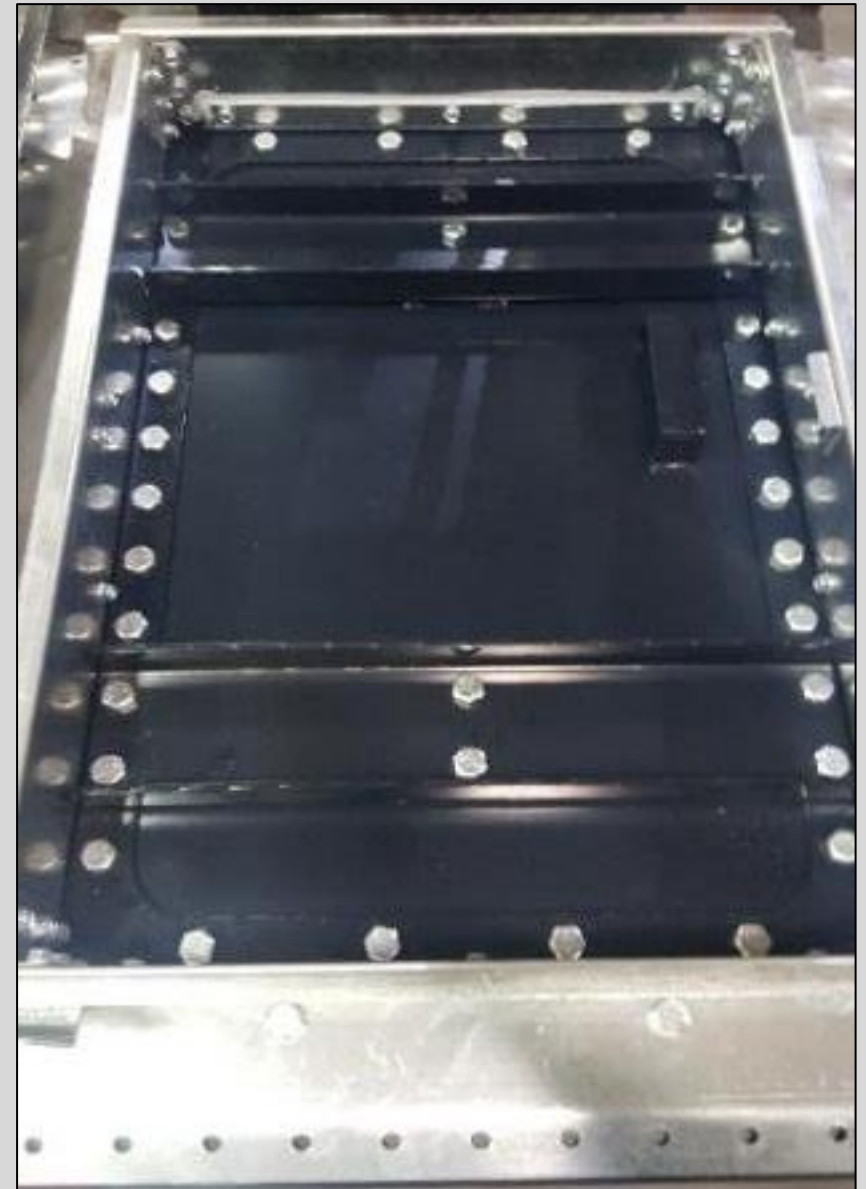




# COMMERCIAL BINS

## Bin Doors

- All commercial doors are a 44" or round door.





# COMMERCIAL BINS

## Laminated Stiffeners

- Roll-formed for consistent fit.
- Splice connections on 3 planes provides critical load bearing transfer between stiffener sections.



## Welded Base Anchor

- Powder-coated to prevent rust
- Provides a secure anchoring system.







# CONTINUOUS MIXED FLOW GRAIN DRYERS





# MIXED FLOW DRYERS

MIXED-FLOW DESIGN

## MIXED-FLOW DESIGN

More than 40 years ago, EXCEL was one of the first mixed-flow dryers on the market, and we've been refining it ever since. From our unique adjustable burner transition to the largest corner venting in the industry, we've engineered every component to make a dryer that produces consistent heat for a consistent product.



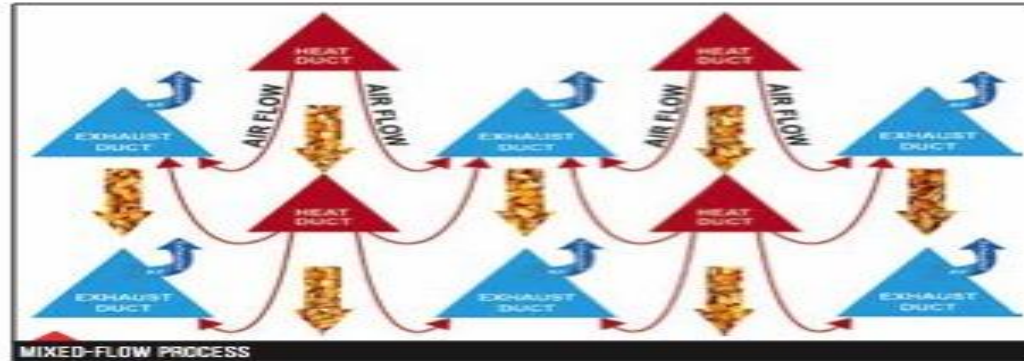
EXCEL MIXED-FLOW DESIGN



EXCEL GRAIN DRYER

### ► Kernel Temperature

The key to preserving grain quality is maintaining optimal temperature throughout the dryer. Our mixed-flow process pushes heat up through alternating rows of ducts. This conditions grain from both sides and keeps all seeds the same temperature throughout the process. This consistent, gentle heat ensures that no kernel will be left too moist or over-dried.



### ► Retention Time

With their industry-leading holding capacities, EXCEL dryers retain grain longer while maintaining a high rate of bushels per hour. Combined with consistent dryer temperature, longer retention time provides optimal heat transfer into the seeds' cores and removes moisture without damaging kernels.



# MIXED FLOW DRYERS

## EXCEL GRAIN DRYER SPECIFICATIONS

Excel Dryer Model	BPH Dry & Cool 5 Pts	BPH Dry & Cool 10 Pts	BPH H & C Wheat 5 Pts	Total Bushel Holding Capacity	Total Fans & HP	Total Fan HP	Total Dryer Height Scalper	Total Dryer Height Gravity Fill
1610	1080	700	1100	1400	4-10 HP	40 HP	32.5	37.5
1612	1250	810	1270	1620	4-10 HP	40 HP	36.5	41.5
1614	1430	925	1420	1840	4-10 HP	40 HP	40.5	45.5
1616	1600	1030	1630	2070	4-10 HP	40 HP	44.5	49.5
1618	1770	1150	1810	2290	4-15 HP	60 HP	48.5	53.5
1620	1950	1250	1980	2490	4-15 HP	60 HP	52.5	57.5
1622	2120	1350	2140	2710	4-20 HP	80 HP	56.5	61.5
1624	2280	1460	2310	2920	4-20 HP	80 HP	60.5	65.5
2410	1620	1020	1620	2060	6-10 HP	45 HP	32.5	41.5
2412	1880	1220	1920	2430	6-10 HP	60 HP	36.5	45.5
2414	2130	1370	2165	2760	6-10 HP	60 HP	40.5	49.5
2416	2380	1520	2410	3090	6-10 HP	60 HP	44.5	53.5
2418	2645	1705	2665	3400	6-15 HP	90 HP	48.5	57.5
2420	2910	1890	2920	3710	6-15 HP	90 HP	52.5	61.5
2422	3160	2050	3207	4060	6-20 HP	120 HP	56.5	65.5
2424	3410	2205	3495	4410	6-20 HP	120 HP	60.5	69.5
3216	3190	2010	3215	4095	8-10 HP	80 HP	44.5	57.5
3218	3510	2300	3605	4510	8-15 HP	120 HP	48.5	61.5
3220	3890	2505	3915	4980	8-15 HP	120 HP	52.5	65.5
3222	4210	2705	4300	5405	8-20 HP	160 HP	56.5	69.5
3224	4570	2920	4630	5890	8-20 HP	160 HP	60.5	73.5
3226	4900	3190	4980	6305	8-20 HP	160 HP	64.5	77.5
4816	4790	3090	4860	6160	12-10 HP	120 HP	44.5	53.5
4818	5280	3405	5380	6795	12-15 HP	180 HP	48.5	57.5
4820	5795	3780	5905	7490	12-15 HP	180 HP	52.5	61.5
4822	6310	4100	6470	8170	12-20 HP	240 HP	56.5	65.5
4824	6810	4405	6970	8840	12-20 HP	240 HP	60.5	69.5
4826	7310	4710	7470	9510	12-20 HP	240 HP	64.5	73.5

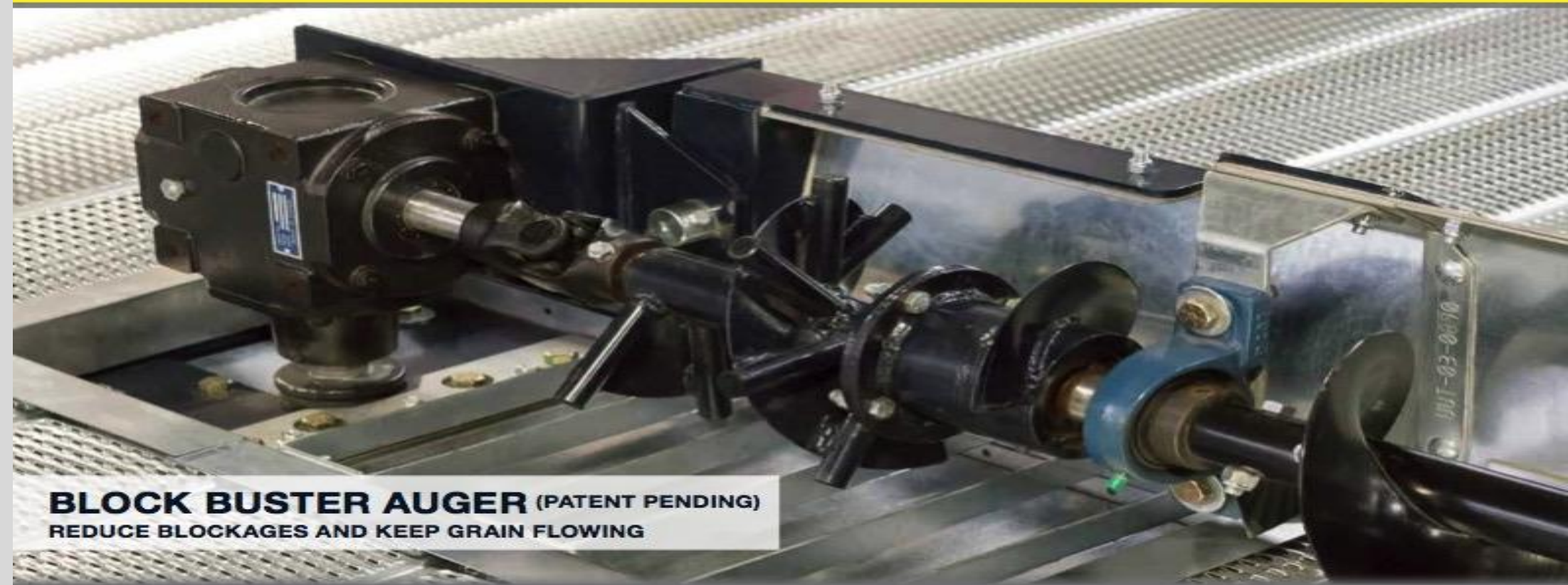
\* Total Height Under Fan Dryer Includes 6.5 Stand

\*\* Dryer Width: 8ft 2in (all models)



# BLOCK BUSTER UNLOAD SYSTEM

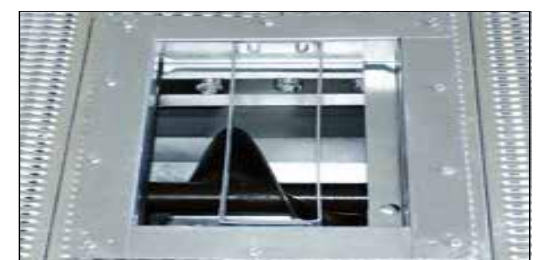
## UNLOADING SYSTEMS



**BLOCK BUSTER AUGER (PATENT PENDING)**  
REDUCE BLOCKAGES AND KEEP GRAIN FLOWING



# BLOCK BUSTER UNLOAD SYSTEM



## With Superior unloading systems, unloading your bin has never been easier, faster or safer.

A permanently installed U-trough and sweep, with all controls outside the bin, provide superior unloading capacity. With more space than a round tube, the U-trough allows the grain to flow freely over the auger.

The Superior Premium Unload is available in 11-inch and 13-inch options for 15'- 60' bins. A larger gearbox, patent pending Block Buster auger, and ability to add accessories makes unloading your bin easier, faster and safer. The Superior Standard Unload is available for 15'- 48' bins.

An upgraded gearbox allows the sweep to pivot when operating on uneven surfaces. A large gear reduction drive wheel propels the sweep into the grain mass for faster unloads.

## **NEW PRODUCT!** Introducing the new Block Buster.

Available on Premium Unload Systems, the patent pending Block Buster is a specially designed auger positioned over the center gate to reduce blockages and keep grain flowing.

A reversing gearbox and centrifugal clutch system allows the Block Buster to spin freely on its own in one direction and drive the sweep auger and wheel in the other direction.

Operated from outside the bin, it eliminates the need to enter the bin to clear blockages.



**PATENT PENDING**

	11" STANDARD	11" PREMIUM	13" PREMIUM
<b>Bin Sizes</b>	15'- 48'	15'- 48'	36'- 60'
<b>Unload Capacity</b>	6,000 BPH	6,000 BPH	10,000 BPH
<b>Auger</b>	8-inch	8-inch	9-inch
<b>Rack &amp; Pinion Controls</b>	Standard	Standard	Standard
<b>Gearbox Assembly</b>	Coupler Connection	Upgraded Single-Shaft	Upgraded Single-Shaft
<b>Power Head</b>	Single Support Motor Mount	Multiple Support Motor Mount	Multiple Support Motor Mount
<b>Independent Double Length Center Sump</b>	Standard	Standard	Standard
<b>Block Buster</b>	Not Available	Available	Available
<b>Incline Auger</b>	Not Available	Available	Available
<b>Extension Kit &amp; Leg</b>	Not Available	Available	Available



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# SUPERIOR COMPLETE SYSTEMS





# PROVIDING YOU A SUPERIOR GRAIN SYSTEM



SUPERIOR GRAIN EQUIPMENT



THANK YOU

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