

DRYER CATALOG



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RECIRCULATING
BATCH & AUTOMATIC GRAIN DRYERS



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Recirculating Batch Dryers

PUT A **GT** RECIRCULATING BATCH DRYER TO WORK FOR YOU!

2-Year Limited Warranty

GT warrants each new Dryer for two years. This warranty covers factory workmanship and material, under normal conditions, when the dryer is set up and is used in accordance with factory instructions.

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MODEL 245XL

SPECIFICATIONS

Standard Equipment	Loading Hopper, Two Tires, Manual Unloading Head, Circulating Auger, PTO Tumbler Shaft, Dryer Controls, Four Jack Stands, Grain Sampler, Access Door to Plenum, Vaporizer, Ladder, Fan Clutch
Drying Capacity (20.5 - 15.5%)	140 bu./hr. (3.5 tonne/hr.)
Bushel Capacity	200 (5.1 tonne)
Height to Top of Auger w/Vertical Head Option	13'6" (4.2 m)
Transport Height	13'6" (4.2 m)
Diameter of Bin	8' (2.4 m)
Grain Wall Thickness	18" (45.7 cm)
Vertical Auger Diameter	12" (30.5 cm)
Overall Length	13'4" (4.1 m)
Size of Burner BTU/hr. (Max)	2,200,000 (645 kw)
Fan Size and Type	26" Axial (66.2 cm)
Electric Motor Required	20 HP, 1750 RPM (14.9 kw)
Weight, PTO Model	2900 lbs. (1318 kg)
PTO Speed	475 RPM
Recirculating Time	5-7 min.
Loading Auger Size	8" (20.3 cm)
Loading Rate	2000 bu./hr. (50.8 tonne)
Unloading Rate	2000 bu./hr. (50.8 tonne)
Fan Drive	Belt
Fan Rating - CFM and Outlet Static Pressure	10,800 CFM @ 1.5" WC (306 m ³ @ 374 Pa)

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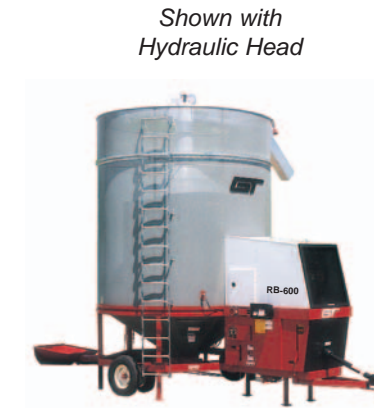
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MODEL 600



MODEL 645XL

SPECIFICATIONS

Standard Equipment on All Models	Loading Hopper, Circulating Auger, PTO Tumbler Shaft, Dryer Controls — Grain Sampler, Fan Clutch, Access Door to Plenum, Vaporizer	
Standard Equipment on Individual Models	Four Tires, Ladder Eight Jack Stands	Four Tires, Ladder, Six Jack Stands, Larger Plenum
Drying Capacity (20.5 - 15.5%)	385 bu./hr. (9.8 tonne/hr.)	385 bu./hr. (9.8 tonne/hr.)
Bushel Capacity	640 (16.3 tonne)	640 (16.3 tonne)
Height to Top of Auger w/Vertical Head Option	21'2" (6.5 m)	21'2" (6.5 m)
Transport Height	13'6" (4.2 m)	13'6" (4.2 m)
Diameter of Bin	11' (3.4 m)	11' (3.4 m)
Grain Wall Thickness	18" (45.7 cm)	18" (45.7 cm)
Vertical Auger Diameter	12" (30.5 cm)	12" (30.5 cm)
Overall Length	20'5" (6.2 m)	15'10" (4.8 m)
Size of Burner BTU/hr. (Max)	3,000,000 (879 kw)	3,000,000 (879 kw)
Fan Size and Type	32" Axial (81.3 cm)	
In-Line Centrifugal Fan	38" (96.5 cm)	
Electric Motor Required	30 HP, 1750 RPM (22.3 kw)	30 HP, 1750 RPM (22.3 kw)
Weight, PTO Model	5500 lbs. (2495 kg)	4900 lbs. (2227 kg)
PTO Speed	525 RPM	525 RPM
Recirculating Time	17-21 min.	17-21 min.
Loading Auger Size	8" (20.3 cm)	8" (20.3 cm)
Loading Rate	2000 bu./hr. (50.8 tonne)	2000 bu./hr. (50.8 tonne)
Unloading Rate	2000 bu./hr. (50.8 tonne)	2000 bu./hr. (50.8 tonne)
Fan Drive	Belt	Belt
Fan Rating - CFM and Outlet Static Pressure	17,200 CFM @ 1.5" WC (487 m ³ @ 374 Pa)	17,200 CFM @ 1.5" WC (487 m ³ @ 374 Pa)

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Shown with
Standard Head



MODEL 500

Shown with
Standard Head



MODEL 545XL

SPECIFICATIONS

Standard Equipment on All Models	Loading Hopper, Circulating Auger, PTO Tumbler Shaft, Dryer Controls — Grain Sampler, Fan Clutch, Access Door to Plenum, Vaporizer	
Standard Equipment on Individual Models	Four Tires, Ladder, Eight Jack Stands	Four Tires, Ladder, Six Jack Stands, Man. Unloading Head
Drying Capacity (20.5 - 15.5%)	335 bu./hr. (8.5 tonne/hr.)	335 bu./hr. (8.5 tonne/hr.)
Bushel Capacity	500 (12.7 tonne)	500 (12.7 tonne)
Height to Top of Auger w/Vertical Head Option	18'4" (5.6 m)	18'4" (5.6 m)
Transport Height	13'6" (4.2 m)	13'6" (4.2 m)
Diameter of Bin	11' (3.4 m)	11' (3.4 m)
Grain Wall Thickness	18" (45.7 cm)	18" (45.7 cm)
Vertical Auger Diameter	12" (30.5 cm)	12" (30.5 cm)
Overall Length	20'5" (6.2 m)	20'5" (6.2 m)
Size of Burner BTU/hr. (Max)	3,000,000 (879 kw)	3,000,000 (879 kw)
Fan Size and Type		32" Axial (81.3 cm)
In-Line Centrifugal Fan	38" (96.5 cm)	
Electric Motor Required	25 HP, 1750 RPM (18.6 kw)	25 HP, 1750 RPM (18.6 kw)
Weight, PTO Model	5100 lbs. (2313 kg)	4400 lbs. (2000 kg)
PTO Speed	525 RPM	525 RPM
Recirculating Time	12-15 min.	12-15 min.
Loading Auger Size	8" (20.3 cm)	8" (20.3 cm)
Loading Rate	2000 bu./hr. (50.8 tonne)	2000 bu./hr. (50.8 tonne)
Unloading Rate	2000 bu./hr. (50.8 tonne)	2000 bu./hr. (50.8 tonne)
Fan Drive	Belt	Belt
Fan Rating - CFM and Outlet Static Pressure	16,000 CFM @ 1.5" WC (453 m ³ @ 374 Pa)	16,000 CFM @ 1.5" WC (453 m ³ @ 374 Pa)

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**INCREASED CAPACITY OR FULLY AUTOMATED GRAIN DRYING -
GT has your dryer!**

Available Standard Control Models

RB500/600 NON-MICRO

The additional holding capacity of the **RB600** Grain Dryer is now available in a standard control model. This dryer has the centrifugal fan for quietness and the standard thermostatic controls for ease of operation. Backed by our two year warranty, this dryer is another step forward that we at **GT Mfg.** offer our loyal customers.

Built with the same pride which has been instilled in our manufacturing process for over 50 years, this Dryer gives added holding capacity and still retains the ability to dry your grain evenly and effectively.

RAB5000

Over the years, the advantages of the recirculating batch dryer have been well accepted. Yields of grain have increased while at the same time manpower availability at the peak of harvest has decreased.

The requirement for a fully automatic recirculating batch grain dryer that is quiet, reliable, simple to install and operate, yet retaining all the advantages of mobility, has never been greater. The introduction of the fully automatic **RAB5000** recirculating batch dryer meets all of these demands.

With outputs of up to 6,000 bushels daily, your **RAB5000** is run by a micro-processor controller. You simply program the unique RAB control processor using a yes or no button to follow the sequential steps offered as questions by the processor. The controlled functions are, *loading, burner ignition, heating, plenum temperature, grain temperature sensing, grain cooling, unloading followed by automatic re-loading and subsequent constant programmed pattern.*

Available in both single and three phase, this grain dryer is the answer to increased volume drying. Included as standard items on your **RAB5000** are outlets for auxiliary loading and unloading motor control. Your **RAB5000** micro-processor checks continuously for correct fan, agitator and auger speeds. It monitors the plenum and grain temperatures, controls loading and unloading. It also checks and initiates the ignition sequence, records the number of hours your **RAB5000** is operated and automatically checks for uninterrupted fuel supply. The digital **LED** indicates at all times the sequence of operation and should any of the safety controls activate, the dryer will automatically shut down and the safety diagnostic fault recorder will indicate the cause of the shutdown on the Alpha section of the **LED** readout. The centrifugal fan running at 74 decibels is very quiet and allows the **RAB5000** to be used in urban environments day *and* night.

Easy to install, quiet in operation, economic in use, and maintaining a high resale value, the **GT RAB5000** Fully Automatic Recirculating Batch Dryer is ideally suited for the large modern farm operation and is in a class of its own.

If you need continuous drying and want the same quality and even drying of a batch style grain dryer, the **ALL - AUTOMATIC RAB5000** is the dryer for you.

RB600 - RAB5000

Whether purchasing a larger capacity **RB600** or the Fully Automatic **RAB5000**, with a GT Grain Dryer, you know you will be receiving a reasonably priced, exceptional grain dryer, which performs efficiently while delivering you the quality grain you are accustomed to, AND will last you from 20 to 30 to yes, even 40 years of on the farm service.

Recirculating Batch Dryers

Model RAB-5000 Automatic Batch Dryer - Single & Three Phase

2-Year Limited Warranty

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Single Phase



Three Phase

Electric Motors

	Single Phase	Three Phase
Vertical Auger and Agitator	10 hp	10 hp
Fan	10 hp	15 hp
Loading Auger	5 hp	5 hp
Unloading Auger	2 hp	2 hp

STANDARD EQUIPMENT BOTH UNITS

Loading Hopper *Standard – Hopper tail piece with optional 5' and 10' extensions (Optional – Foldup hopper)*
 Outlets for Auxiliary Loading & Unloading Motors (10 HP Max.)
 Access Door to Plenum, Vaporizer, Horizontal Unloading Head, Dryer Controls – GT Grain Guard
 Four Tires, Circulating Auger, Eight Jack Stands, Grain Sampler

SPECIFICATIONS

Transport Height	13'6"	(4.20 m)
Diameter of Bin	11'	(3.4 m)
Grain Wall Thickness	18"	(45.7 cm)
Vertical Auger Diameter w/Standard Hopper	12"	(30.5 cm)
Overall Width w/Standard Head	12'6"	(3.81 m)
Size of Burner BTU/hr. (Max.)	3,500,000	(1025 kw)
Operating Weight	5,600 lbs.	(2540 kg)
Fan Type	Centrifugal	
Fan Drive	Belt	
Fan Rating CFM and Outlet–Static Pressure	16,000 CFM @ 1.5" WC	(755 m ³) (374 Pa)
Recirculating Time	12-15 min.	
Loading Auger Size	8"	(20.3 cm)
Loading Rate, bu./hr.	2000	(50.8 tonne/hr.)
Unloading Rate, bu./hr.	2000	(50.8 tonne/hr.)

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*Shown with
Standard Head*



MODEL 300

*Shown with
Standard Head*



MODEL 345XL

SPECIFICATIONS

Standard Equipment on All Models

Loading Hopper, Circulating Auger, PTO Tumbler Shaft, Dryer Controls — Grain Sampler, Fan Clutch, Access Door to Plenum, Vaporizer

Standard Equipment on Individual Models

Two Tires, Ladder, Six Jack Stands

Two Tires, Ladder, Four Jack Stands, Man. Unloading Head

Drying Capacity (20.5 - 15.5%)

235 bu./hr. (6 tonne/hr.)

235 bu./hr. (6 tonne/hr.)

Bushel Capacity

350 (8.9 ton)

350 (8.9 ton)

Height to Top of Auger w/Vertical Head Option

18'4" (5.6 m)

18'4" (5.6 m)

Transport Height

13'6" (4.2 m)

13'6" (4.2 m)

Diameter of Bin

8' (2.4 m)

8' (2.4 m)

Grain Wall Thickness

18" (45.7 cm)

18" (45.7 cm)

Vertical Auger Diameter

12" (30.5 cm)

12" (30.5 cm)

Overall Length

18' (5.5 m)

13'4" (4.1 m)

Size of Burner

BTU/hr. (Max) 2,200,000 (645 kw)

2,200,000 (645 kw)

Fan Size and Type

26" Axial (66.2 cm)

In-Line Centrifugal Fan

33" (83.8 cm)

Electric Motor Required

20 HP, 1750 RPM (14.9 kw)

20 HP, 1750 RPM (14.9 kw)

Weight, PTO Model

3900 lbs. (1773 kg)

3350 lbs. (1523 kg)

PTO Speed

525 RPM

525 RPM

Recirculating Time

10-12 min.

10-12 min.

Loading Auger Size

8" (20.3 cm)

8" (20.3 cm)

Loading Rate

2000 bu./hr. (50.8 tonne)

2000 bu./hr. (50.8 tonne)

Unloading Rate

2000 bu./hr. (50.8 tonne)

2000 bu./hr. (50.8 tonne)

Fan Drive

Belt

Belt

Fan Rating - CFM and Outlet Static Pressure

12,000 CFM @ 1.5" WC
(340 m³ @ 374 Pa)

12,000 CFM @ 1.5" WC
(340 m³ @ 374 Pa)

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Features and Capabilities

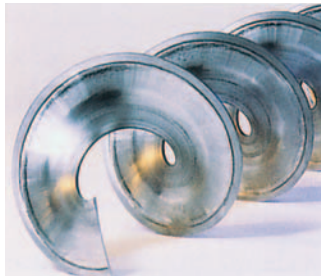
Completely Self-Contained

All you need for high-speed high-quality drying is a GT RB Dryer, a tractor and propane. Average set-up time is 30 minutes.



1. Loading hopper eliminates the need for separate augers. Load directly from your truck or grain wagon.
2. One 12" auger recirculates and unloads grain gently. Low 275 RPM operation keeps grain column full for controlled, even drying. Seamless tube and spin-balanced auger with heavy duty flighting reduce wear and mechanical fatigue.

New Superflite™ High Durability Flighting



Super Edge™ flighting provides up to 50% extra thickness at the exact location where the greatest wear occurs. Designed specifically to combat auger wear, the added strength is achieved with no increase in weight. Super Edge™ flighting features a brand new design, thanks to a patented, cold rolled steel process.

Patent No. US5678440



3. Built-in grain sampler collects grain for moisture testing from the center of the grain column.

4. Completely portable for easy transport anywhere - work, yard or field. Tires and hitch are *standard*. Top section of center auger removes easily. Loading hopper folds up for out-of-the-way storage or transport.
5. Centrally located controls provide complete control of the drying process from one location. Additional gauges or monitors are not needed.

Uniform Drydown

6. Round bin design evenly distributes heated air for uniform drying of any crop. Hot and cold air pockets are eliminated. Grain flows smoothly, since it dries without bridging.



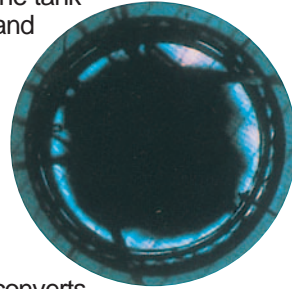
7. Perforated (3/32") inner chamber distributes heated air evenly through grain column. Heavy-duty formed skirts provide greater durability.

8. Positive agitator arms keep grain moving downward into the central auger at a slow, gentle rate of 8 RPM. Grain is in constant motion during the entire drying process. Convex rollers guide agitator arms for trouble-free operation.

All-Weather Drying

9. Built-in vaporizer allows accurate, fuel efficient

drydown, even in sub-freezing temperatures. GT's vaporizer "pulls" liquid propane from the bottom of the tank and



converts it to vapor.



10. Efficient stainless steel, ring burner assembly is designed to keep drying costs to a minimum. Delivers evenly heated air to the drying chamber at constant temperatures.

11. NEW In-Line Centrifugal Fan delivers powerful airflow while reducing noise levels by 27 decibels. Work place is safer,



healthier and more comfortable. (Fan guard removed for photographic purposes. *Always* operate dryer with

all safety guards in place.)

Quality Built, Simple to Service

12. Service access door slides up and out for monitoring of the agitator drive.
13. & 14. Modular access



panels on power frame offer quick access to plumbing and electrical controls.

15. Space-age coating ensures a great, long-lasting appearance with minimum upkeep.

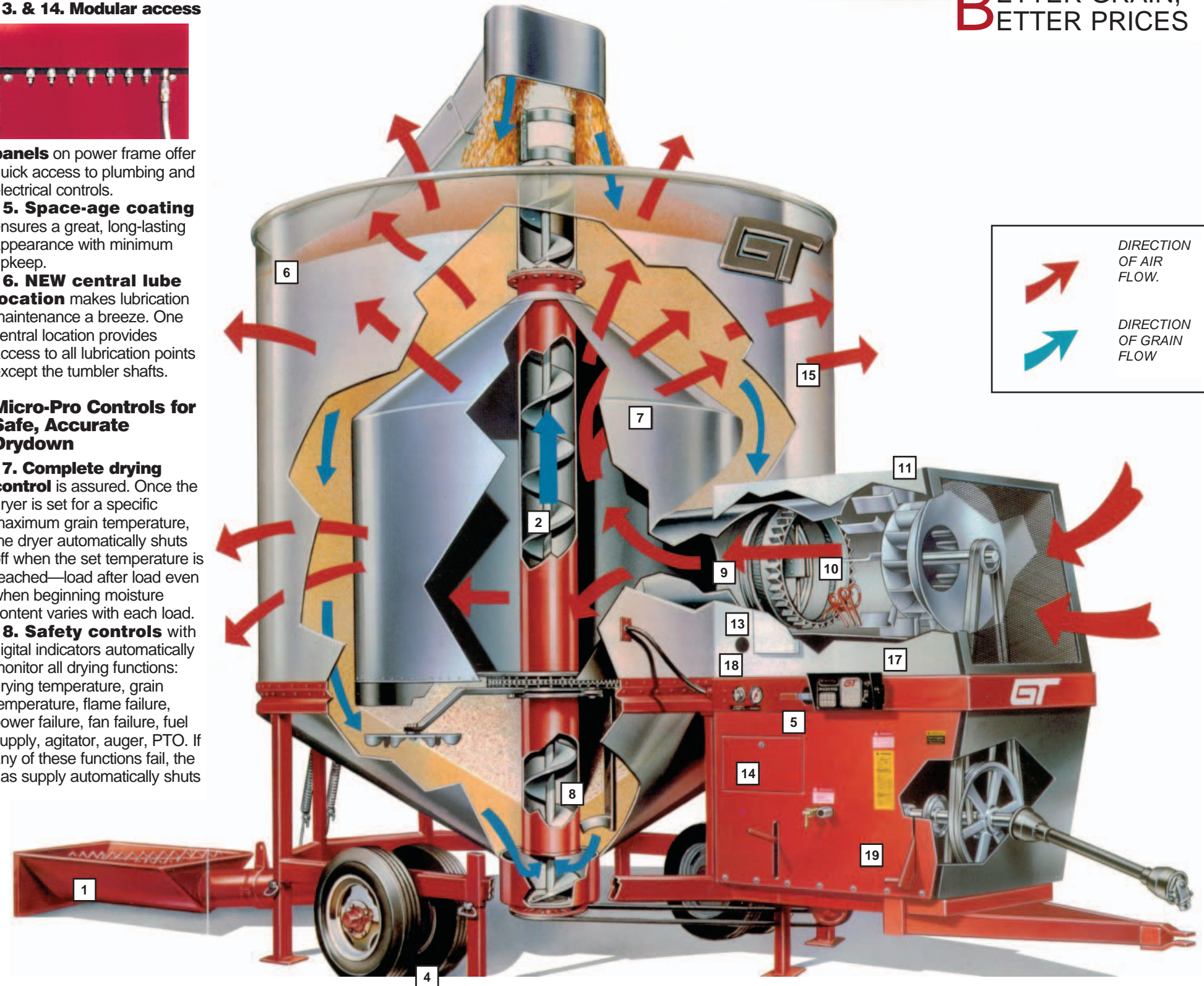
16. NEW central lube location makes lubrication maintenance a breeze. One central location provides access to all lubrication points except the tumbler shafts.

Micro-Pro Controls for Safe, Accurate Drydown

17. Complete drying control is assured. Once the dryer is set for a specific maximum grain temperature, the dryer automatically shuts off when the set temperature is reached—load after load even when beginning moisture content varies with each load.

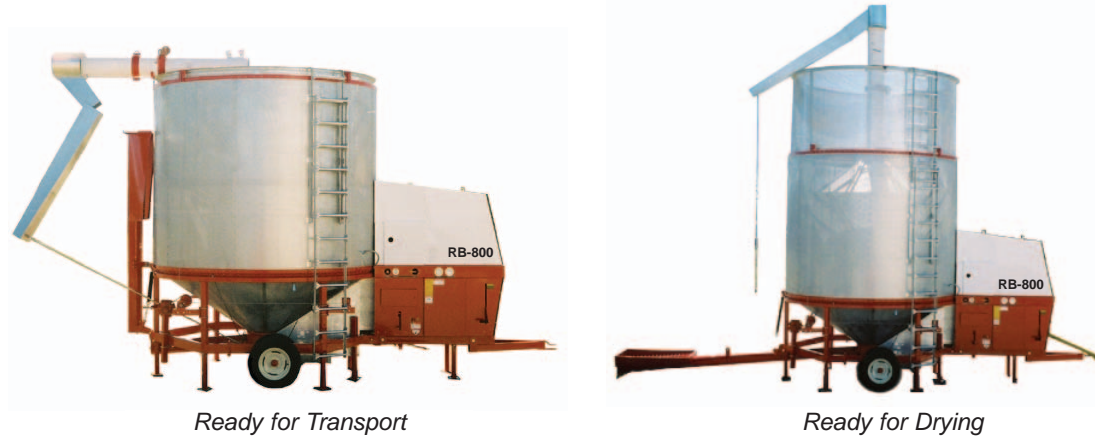
18. Safety controls with digital indicators automatically monitor all drying functions: drying temperature, grain temperature, flame failure, power failure, fan failure, fuel supply, auger, PTO. If any of these functions fail, the gas supply automatically shuts

BETTER GRAIN,
 BETTER PRICES



Introducing the newest Recirculating Batch Dryer - RB800 – 21 Ton

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SPECIFICATIONS

Drying Capacity (20.5 - 15.5%)	500 bu./hr.	(12.5 tonne/hr.)
Bushel Capacity	820 bu.	(20.9 tonne)
Height to Top of Auger	23'5"	(7.14 m)
Transport Height (top tube down)	15'5"	(4.7 m)
(with top tube off)	14'	(4.27 m)
Diameter of Bin	11'	(3.4 m)
Grain Wall Thickness	18"	(45.7 cm)
Vertical Auger Diameter	12"	(30.5 cm)
Overall Length	20'5"	(6.2 m)
Burner Size BTU/hr.	3,000,000	(879 kw)
In-Line Fan	38"	(96.5 cm)
Electric Motor	40 HP (30 kw)	(35 HP required) (26.1 kw req.)
Weight, PTO Model	6000 lbs.	(2725 kg)
PTO Speed	525 RPM	
Recirculating Time	16-20 min.	
Loading Auger Size	8"	(20.3 cm)
Unloading Rate	3000 bu./hr.	(76.3 tonne)
Fan Drive	Belt	
Fan Rating - CFM and Outlet Static Pressure	17,000 CFM @ 1.5" wc (481 m ³ @ 374 PA)	



*Manufacturer's of
QUALITY
Industrial/Agricultural
EQUIPMENT*



*Superior Workmanship
Unparalleled Quality
Unbeatable Service*

