

SERVING THE FEED INDUSTRY SINCE 1954

**WALINGA**<sup>®</sup>  
INC.



**ENGINEERED  
TRANSPORTATION  
EQUIPMENT**



**WALINGA**

INC.

**WALINGA**<sup>®</sup>  
VALUE BEYOND THE PRODUCT

Throughout our history of manufacturing bulk feed equipment Walinga realized the importance of manufacturing equipment engineered and built to suit customers specific needs. Our fully integrated CAD production is ISO certified, enabling the efficient production of custom units that still satisfy our companies original 1954 slogan, "Building any body for anybody".

From the variably extruded chassis of an Ultra-Lite to the movable dividers of a combination Bag-Bulk Combo unit and the numerous variations in between, you're witness to the dedication and understanding of the customer demands placed upon our units. At a glance one feed truck might look like any another, but step up and take a closer look. Walinga units are built to last, built to withstand the harshest environments and to consistently perform at the highest levels, day in - day out, 365 days a year.



Many variables exist between different types of feed and Walinga offers alternative discharge systems to suit. Choose between three types of conveying systems; **Auger, Paddle or Air Discharge** and three gate mechanisms; **Inverted 'V' Gates, Drop Gates or Horizontal Sliding Gates.**

The intention of this brochure is to point out the near limitless manufacturing and upgrade options available. Read on to learn what exactly makes a Walinga a Walinga.



**Parker** Chelsea

**CHELSEA 8 BOLT 880 Series PTO**

The Chelsea 880 Series PTO is two and a half times stronger than standard 6 bolt PTOs. The 880 is an 8-Bolt, 10 spline, 1-1/2" output shaft P.T.O., rated for up to 500 Lbs. ft. torque. Designed for prolonged high torque applications the 880 Series promises top specification performance and ease of service. Chelsea's 880 Series PTO is now standard equipment.

**HEAVY DUTY HYDRAULIC MOTOR**

Only the best. Every Walinga unit is now delivered with heavy duty hydraulic motors as standard equipment. The newer heavy duty motors are maximum torque rated, about double that of previous motors, and built to withstand the rigors of the industry.



For Fast and Reliable bulk discharge, specify the WALINGA 9-12-9 inch discharge auger system.

Helicoid flighting is standard with ribbon flighting an available option. The discharge auger/boom can be supplied in varied lengths to 42ft. (12.8m) to suit bin height. Lift and rotation are hydraulic powered with controls located at the rear of unit.

**FLOOR AUGER**

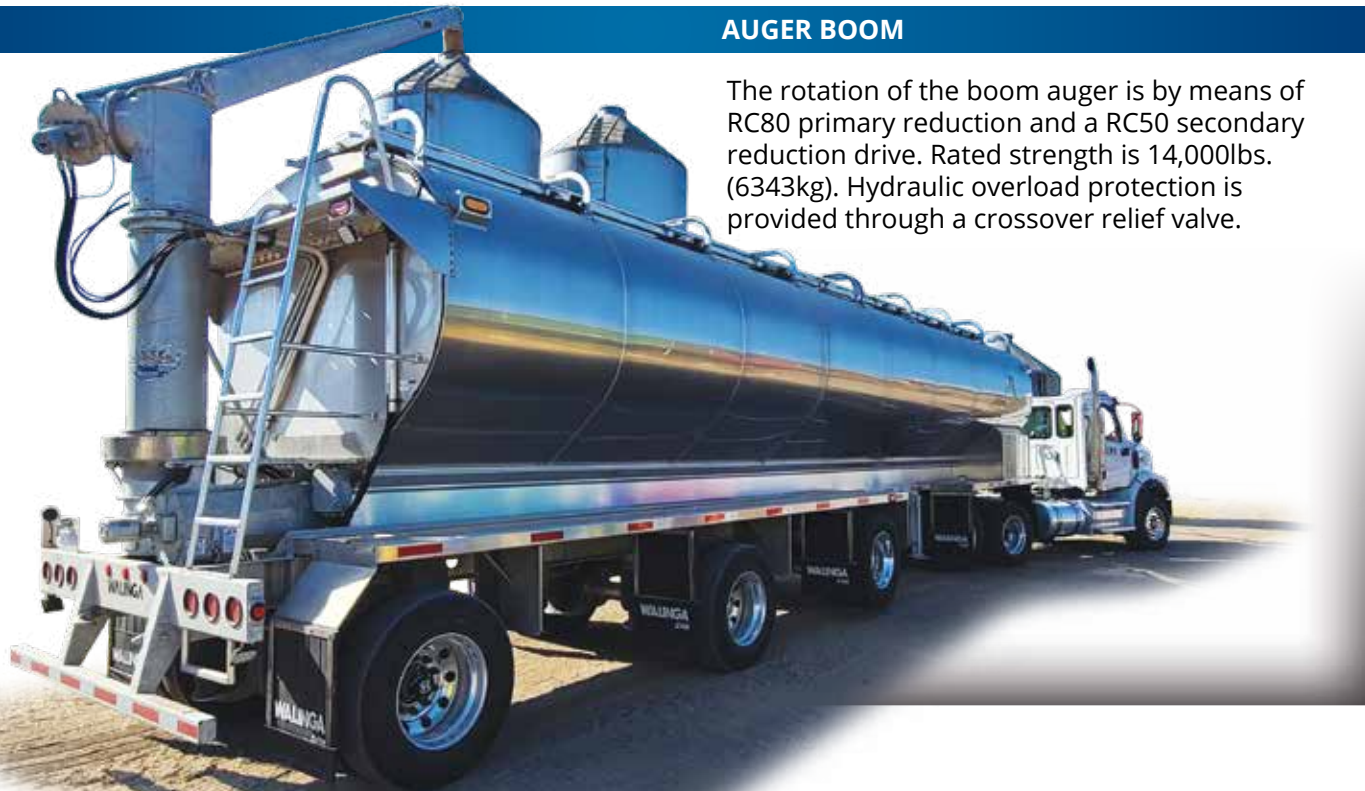
Walinga employs a 9in. (23cm) floor auger with helicoid flighting on a 2-1/2in. (63cm) diameter shaft. Direct drive by a heavy duty spring mounted high torque hydraulic motor incorporates autic surge overload protection that controls the speed of the floor auger relative to the speed of the discharge augers.



The design includes a heavy duty thrust bearing on the drive end and hanger bearing at the discharge end. A plastic liner in the auger pan is supplied, to provide a tighter fit between auger and trough.

**AUGER BOOM**

The rotation of the boom auger is by means of RC80 primary reduction and a RC50 secondary reduction drive. Rated strength is 14,000lbs. (6343kg). Hydraulic overload protection is provided through a crossover relief valve.



**FEATURES & BENEFITS**

Inverted V gates allow each compartment to be individually discharged of its load through selective operation of the gates. Manual type rack and pinion gates are standard. Air operated gates are offered as an upgrade. With the inverted V style gates, gate can be closed "against the load".

Many variables exist between different types of feed and Walinga offers alternative discharge systems to suit. Choose between three types of conveying systems; Auger, Paddle or Air Discharge and three gate mechanisms; Inverted 'V' Gates, Drop Gates and Horizontal Sliding Gates.

We demand the very best performance out of our products. That means customer vehicles are not the sum of parts sourced by the cheapest winning bid. Over the years Walinga has established long standing partner relationships to ensure we are producing the best assemblies possible. When that bar of excellence and durability can't be met, Walinga has undertaken manufacturing those high spec components in-house.



## WALINGA PNEUMATIC DISCHARGE

Pneumatic discharge systems move bulk feed on a 'cushion of air' minimizing pellet damage or break-up. A near ideal system for handling of all types of grains and feeds, particularly dairy feeds.



## HOW IT WORKS

Product is moved to the rear by a nine inch (23cm) diameter floor auger and is gravity fed into the airlock. Air pressure picks up the bulk product and it is either directly discharged through flexible lines or

inch(150mm) line hydraulically controlled air stinger. Air stingers drop product through either an elbow or a stainless steel cyclone which further removes fines and dust. Air discharge systems move bulk feed on a 'cushion of air' minimizing pellet damage or break-up as it is discharged into the feed bin.



## THE AIR STINGER

Available in varying lengths from twenty feet (6m) to forty-four feet (13.4m) the air stinger is hydraulically controlled from the rear of the unit. It is rotated by double reduction chain drive.

The hydraulic controls are standard V20 type controls which are easily adapted to accept air type remotes or radio remote control. All controls are iconographically marked and textually labeled for easy function recognition.





**3510 UNDER MOUNT**



**AIRLOCK**

WALINGA Airlocks are manufactured exclusively in house to ISO certified standards of excellence. Body is high grade cast iron machined to close tolerances. The ten (10) blade rotor includes adjustable wear tips of either stainless or knife edge carbon steel. The Airlock is performance matched to the proprietary WALINGA 510 Blower and incorporates a unique drop thru/flow thru product path with four inch (100mm) or five inch (125mm) contoured discharge ports ensuring maximum performance with minimal bulk product damage.



**BLOWER**

The 510 blower is manufactured by WALINGA to exacting specifications and certified ISO quality standards. This high performance blower offers 1100CFM (31.2m<sup>2</sup>) at pressures up to 12 psi. (82Kpa) continuously. Gears and bearings are splash lubricated. For transfer applications (Suction) the 510 Super Hardened blower is supplied as standard.



**3510 CHASSIS MOUNT**

The Walinga Ultra-Vac provides operators the flexibility to draw on left over feed, clean-up spills or move product around the mill with a unit that is easy to run and easily brought to the farm. The Ultra-Vac can

be located on the tractor or either side or rear of the trailer and can be optioned as PTO or self contained Gas or Diesel models. The Ultra-Vac features patented pre-cleaner dust separator, Walinga model 510 super hardened blower, hydraulically powered airlock with adjustable tips and stainless steel hoses.

Model#	Blower	Airlock	Capacity		Motor Power	Line Size
			Bu/hr.*	Tonnes/hr.*		
3510-G Under Mount	#510	#1210	700	18	25 hp GAS	4 in. (100mm)
4510 Rear Mount	#510	#1314	1000	27	PTO	4 in. (100mm)
5510-T Tractor Mount	#510	#1314	2300	59	PTO	5 in. (125mm)

\*Capacities based upon a 12ft. (3.65m) suction line moving corn or barley. Capacity will vary with condition of product. Due to continuous product development specifications are subject to improve without notice.

**5510 TRACTOR MOUNT**



**4510 REAR MOUNT**





Handle various bulk feeds as well as bags without having to climb into the unit to unload bulk products. Walinga designed slope boards and contoured movable dividers promote maximum load flexibility and minimum unload times.



Drop gates, horizontal sliding gates, 9" (229mm) trough auger, drag chain trough conveyor, 12" (305mm) vertical auger, one piece sealed dividers, checker plate roof with toe rails, ladders with anti-slip rungs are all features that you will find on a Walinga combo unit. Walinga bulk feed units are designed to deliver years of trouble free service. A legacy born of features like sealed LED lighting systems, H.D. spring mounted hydraulic motors, contoured sides for maximum capacity, rubber body mounting, rubber roof and divider seals. In addition to all of the other standard features exclusive to Walinga bulk feed units.



Fuel Efficient  
Aerodynamic  
Roll-Over Stability  
Aluminum Construction  
More Loads per Day

**Ultra-Lite Low-Pro High Output Auger** trailers combine a strong variably extruded aluminum long wheelbase chassis, lowered compartments and Walingas' High Output Auger system (HOAG) to create our lowest clearance, lowest center of

gravity high performance trailer. A combination that decreases roll over risk and increases fuel economy while maximizing productivity. **Fully optioned Low-Pro Ultra-Lite HOAG units represent the ultimate best of breed in bulk transportation.**



Low aerodynamic, fuel efficient profile.

Center of Gravity lowered a full sixteen inches.

Same exceptional HOAG output.



- **Right Feed...Right Bin...Every time!**  
FEEDLOK provides security and assurances, knowing that the correct feed is always delivered to the correct bin.
- **No more wrong deliveries.**  
Assign your feed mixture to precise GPS bin locations. Once learned the system remembers bin GPS coordinates indefinitely. \*Password protected, any future changes or additions to bin locations are easily updated.

- **Assign feed loads to a bin and FEEDLOK does the rest.**  
It's as simple as the bins actual GPS location matching the FEEDLOK booms assigned GPS record. Wrong GPS bin location and FEEDLOK will not allow dispensing of the feed mix.

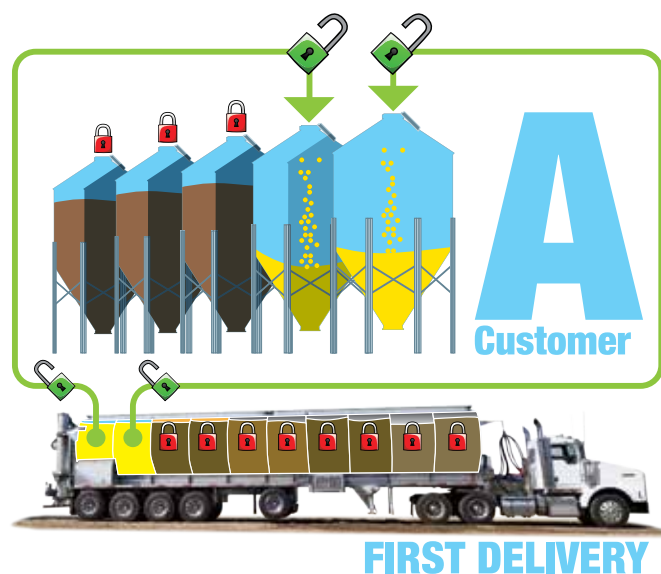
- **Always know where your trucks are unloading!**  
FEEDLOK systems provide GPS tracking as well as time stamped detailed record keeping. Always know exactly when a delivery was made and to what bin.

- **Notifications.**  
A mismatched feed-to-bin halts the transfer. The system both audibly and visually notifies the operator. Any manual override requires a security code be entered. If manual override is engaged FEEDLOK delivers notifications to the server for complete tracking.

FEEDLOK is a revolutionary concept in distributing feed from the feed mill to the farm.

## Easy Operator Set up!

Simply complete a delivery run with your Feedlok Equipped unit in "Training Mode". Align the boom over each customer bin, lock in that bins precise GPS coordinates while assigning your own unique bin names. Accurate to within a couple feet, that bins GPS location and name are recorded in the system indefinitely\*.



Every Walinga unit is custom built to customer specification upon a robust platform of standard features.

Walinga offers a wide range of functional and performance upgrades, many of which may themselves be further modified. Every Walinga unit is entirely CAD specified before entering production allowing for near limitless customizations within each line.



Walinga inventories everything they manufacture. In addition to component parts and assemblies, AMPS [Aftermarket Parts & Service] stocks consumables and other common wear items. Archived customer CAD production files enable the re-manufacture of custom specified items.

All of Walinga's North American production facilities operate to ISO 9001 - 2015 certification standards. This continued pursuit of excellence in North American manufacturing and service ensures customer units are on the road performing and not parked waiting for parts.

- Roll Tarp Roof
- Horizontal Slide Gates
- Variable Boom Auger Lengths
- Remote Controlled Boom
- Complete Air Discharge Systems
- Tractor Pneumatic Package
- Tractor Hydraulic Package
- Air Ride Suspensions
- Polished wheels
- Custom Chassis
- Aluminum Tool Box
- Sealed Wiring Harness
- Customized LED Lighting Packages
- Complete Unit Painting
- Complete Unit Polishing
- Digital Graphics Application
- Aluminum Catwalk and Ladders
- Aluminum bogie
- Galvanized bogie
- Air Operated Gates
- Ribbon Augers

- Drag Chain Conveyors
- Heavy Duty Hanger Bearings
- 9-12-9 Auger Discharge
- True Vertical Auger with Stuffer
- Boom Holding Valve
- Telescopic Air Stinger
- Tire Carrier
- Hubdometers
- Sign Box
- Roll Stability Controller- SmartTrac™
- Bag Carrier Style Fenders
- Aluminum Control Cabinet
- Boom Spot Light
- Boom Camera
- Boom Hazardous Proximity Sensor
- Wireless Full Function Remote
- Manual or Hydraulic Flip-up Safety Rail
- Disinfectant Spray System
- FeedLok Control Systems
- Trailer Cameras
- In-Cab Tablet Control Unit

and more...



Spring mounted motors



Front unload



Extruded chassis



Roll stability controller



Hydraulics super cooler



Stainless hydraulics



Boom out of saddle light



HMI Smart controller



Controls cabinet



**WALINGA**

**MAKE THE CALL...**



Introducing the WALINGA High Output Auger (HOAG) unit. The ideal choice for operators requiring multiple products delivered to multiple locations quickly and without compromise. As with all Walinga feed units, all production specifications may be extensively customized to suit customer needs, including custom axle configurations.



Walinga equipment is designed and manufactured to exacting, ISO certified quality standards. Beyond any individual component warranties, all Walinga manufactured chassis are covered by an All Inclusive Five Year Structural Warranty.

Ride with confidence knowing that Walinga's established and trained network of North American Authorized Service Providers are ready to serve, a dealer and service network that continues to expand globally.



**Authorized Service Provider**

**WALINGA®**  
**VALUE BEYOND THE PRODUCT**



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