

# Cantilever Silo Reclaim Systems

Models 243 and S243



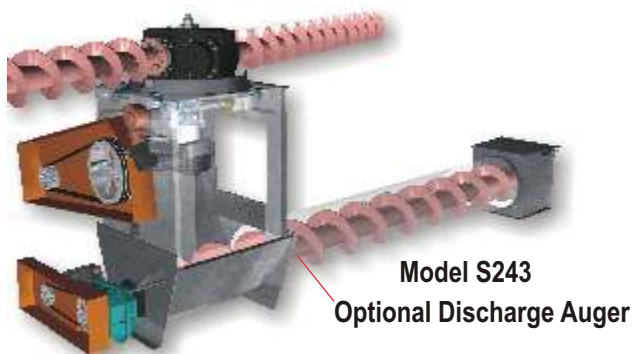
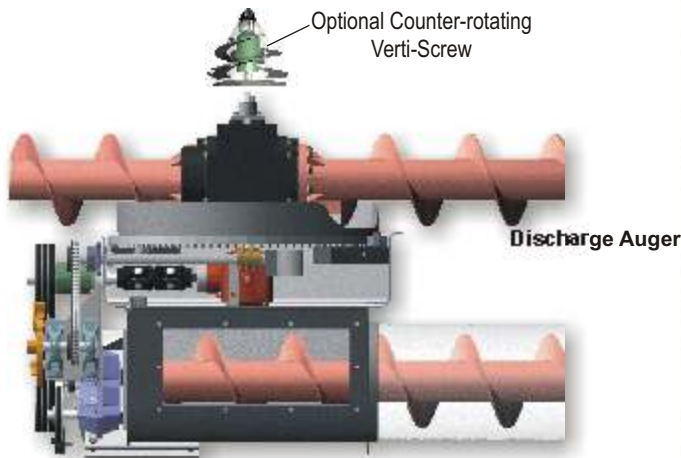
*The Real Solution to Silo  
Bridging Problems*



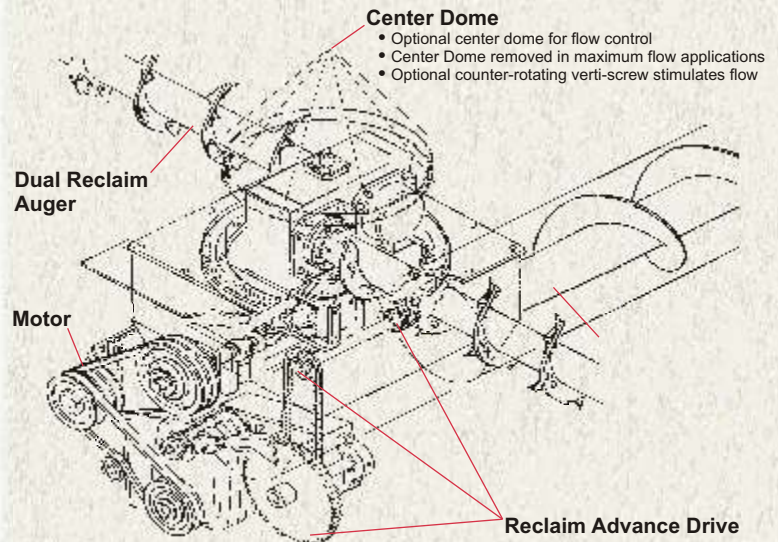
Bulk Storage and Reclaim Systems

# FLEXIBLE ... RUGGED ... DEPENDABLE

The Model 243 Series of storage and reclaim packages are ruggedly designed to store and handle a variety of materials including sawdust, wood chips, soybean meal, corn fiber, cotton seed meal, other meat and grain meals, along with other bulk products that typically present flow problems.



## Laidig offers *REAL SOLUTIONS*



### System Benefits Include:

- Total clean out of silo
- Approaches FIFO inventory control
- Minimizes particle segregation
- Solves material flow problems
- Variable-speed controlled discharge



### Optional S243 Direct Drive

- Direct drive simplicity
- Convenient where space is limited
- Useful in areas where belts are problematic

**PROVIDES CONSISTENT FLOW 24 - 7**

# FLEXIBLE ... RUGGED ... DEPENDABLE

## Model 243 1-Motor System

- **One electric motor** powers all three drive systems:
  - The rotation of the reclaim augers
  - The advance system for the reclaim augers
  - The rotation of the discharge auger

## Model 243 2-Motor System

- **One electric motor** powers two drive systems:
  - The rotation of the reclaim augers
  - The advance system for the reclaim augers
- **A second electric motor** powers the third system:
  - The rotation of the discharge auger

## Model S243 (3 Motors)

- Three-motor system with drive train designed to handle nearly twice the horsepower of the Model 243
- **One electric motor** drives the rotation of the reclaim augers
- **A second electric motor** drives the rotation of the discharge auger
- **A third motor (hydraulic)** drives the advance system for the reclaim augers

Laidig Model 243 reclaim systems typically include steel-bolted tanks, or optionally, concrete silos.



## Steel-Bolted Tanks

- Optional explosion relief deck or panels
- Heavy duty construction
- Design for mass flow and dynamic loads

### **Benefits:**

- Aesthetically pleasing appearance
- Can be color coordinated with surrounding buildings
- Choice of protective coatings, internal and external
- Structure is easily repaired or modified
- Can be extended for increased storage
- Can be removed

## Optional Concrete Silos

- 4000 psi reinforced concrete
- Framed tunnel openings
- Ladder, safety cage, and deck rail meets OSHA standards
- Specially designed access opening for easy service
- 18 degree sloped roof option for some sizes
- Special spiral staircase (available as an option)

### **Benefits:**

- Smooth, concentric walls to aid mass flow
- Rugged, tough and nearly indestructible
- Economical storage for large systems
- Can accept heavy deck loading
- Virtually no maintenance

PROVIDES CONSISTENT FLOW 24 - 7

# LET LAIDIG DESIGN A STORAGE AND RECLAIM SYSTEM FOR YOUR APPLICATION



Engineered cantilever reclaim systems can be effectively installed into most existing silos.

- Take control of your stored bulk materials.
- Upgrade existing or worn-out equipment.

Specifications*	Model 243	Model S243
Silo Diameter	8'-26' (2-8m)	8'-30' (2-9m)
Reclaim Auger Diameter	8.5" (22cm) variable	11.5" (29cm) variable
Reclaim Drivetrain	up to 15 HP	up to 30 HP
Reclaim Advance	Electric	Hydraulic
Hydraulic Power Unit	NA	1.5 HP
Discharge Auger (optional)	12" (30cm) dia.	16"-18" (41-46cm) dia.
Control Panel	Optional	Optional
Center Dome	Optional	Optional
Verti-Screw	Optional	Optional

#### Additional Options:

Hopper Angle Customized  
 Steel Bolted or Concrete Silos  
 Baked Epoxy Coatings Available with Steel Tanks  
 Hydraulic Fluid Immersion Heater  
 Multi-System Hydraulic Power Unit  
 Pressure Transducers for Remote Display  
 Pressure-Compensated Load-Sensing Hydraulic Unit  
 Customized Discharge Conveyor Systems  
 Retrofits to Existing Silos Possible

\* Standard system specifications are shown.  
 Consult a Laidig applications engineer for material-specific information.

#### WITH LAIDIG YOU GET THE TOTAL PACKAGE:

##### The Storage Structure

Designed specifically for the dynamic-load requirements of bottom-reclaim systems.

##### The Reclaim System

Custom engineered for high delivery rates with a wide range of material applications.

##### The Laidig Guarantee

If we design and install your storage and reclaim system, we guarantee it will work.

#### WE DON'T JUST SELL EQUIPMENT, WE PROVIDE SOLUTIONS.



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