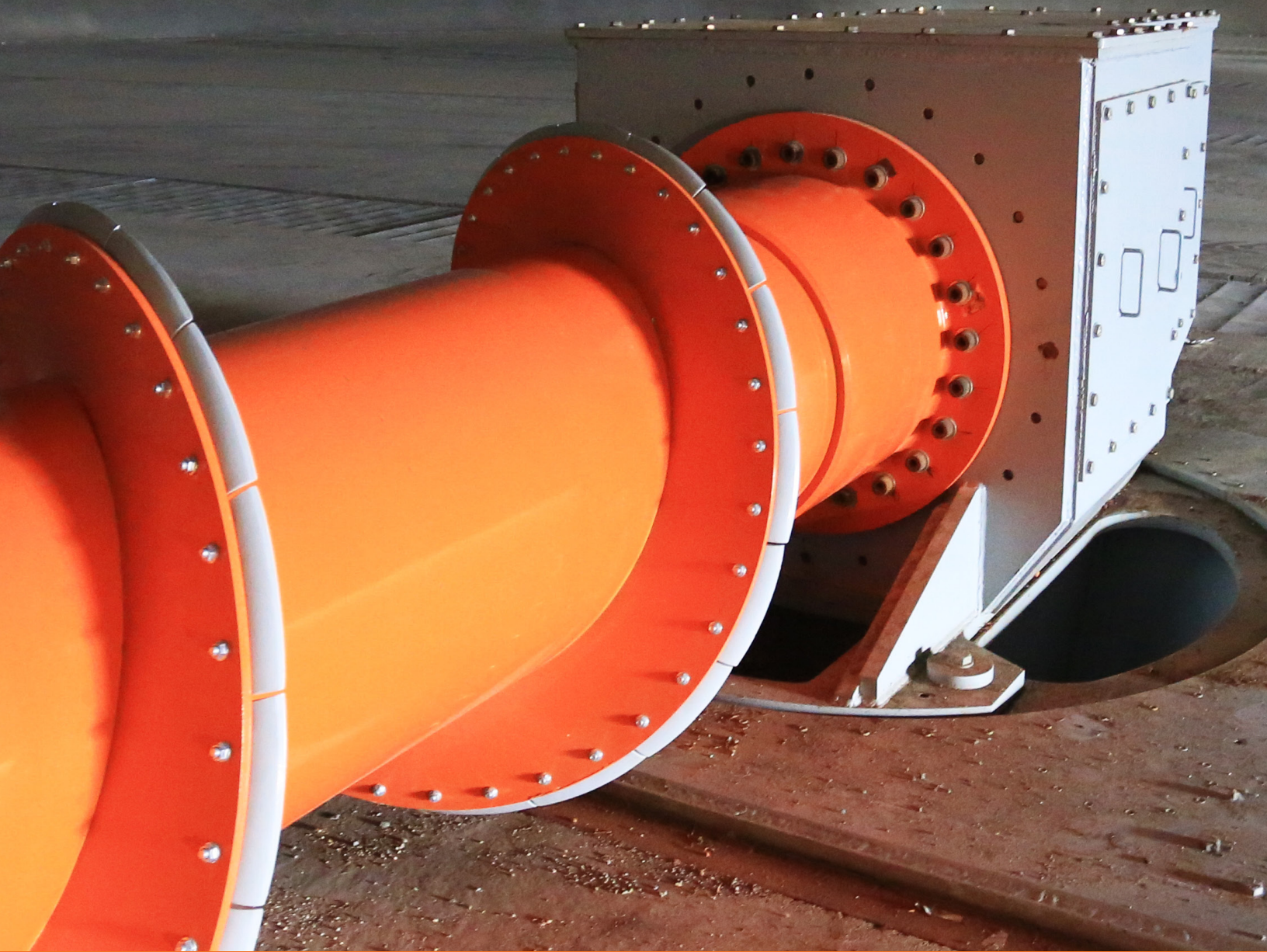




Bulk Storage &
Automated Reclaiming Solutions

CLEANSWEEP™

Models CS210, CS310, CS410, CS510, CS1010, CS2010

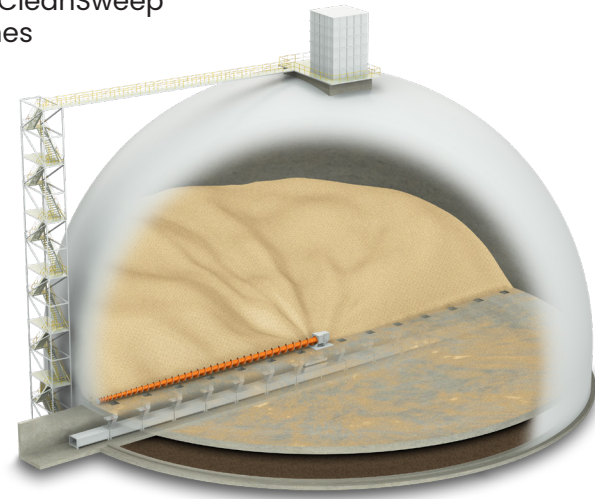


FULLY-AUTOMATED CLEANOUT WITH ZERO PERSONNEL ENTRY

THE CLEANSWEEP SOLUTION THAT WORKS

Designed specifically for free-flowing & semi-free-flowing materials, the Laidig CleanSweep is the ultimate bin, silo & dome clean-out solution. The CleanSweep allows for more-frequent inventory turnover by eliminating dead zones and minimizing waste caused by mold and infestation. The CleanSweep's fully-automatic, push-button clean-out operation reduces labor costs while increasing net profits. High-volume discharge is achieved by combining free-flow through draw-downs with consistent, high-delivery from the reclaim auger.

The Laidig CleanSweep provides the highest level of operator safety by avoiding many of the health and safety risks of silo entry. Its zero-entry clean-out operation eliminates employee exposure to harmful dust, chemicals & the risk of material engulfment. The CleanSweep is "confined-space friendly", with minimal maintenance required, and with serviceable components in easily-accessible locations. Laidig is committed to providing the safest, fully-automated heavy-duty storage clean-out system guaranteed to work!



CLEANSWEEP FEATURES

- Engineered to meet the toughest material challenges
- Fully-automated, dependable, push-button operation
- Zero-entry clean-out of free-flowing & semi-free-flowing materials
- Fully-reversible sweep auger for maximum process flexibility
- Diameters up to 200' (61 m) with Laidig's rugged sweep design
- Access to Laidig's lifetime technical support



ABRASION RESISTANCE

Consistent exposure to rugged and abrasive materials can lead to premature wear and the reduction in the life expectancy of critical equipment components.

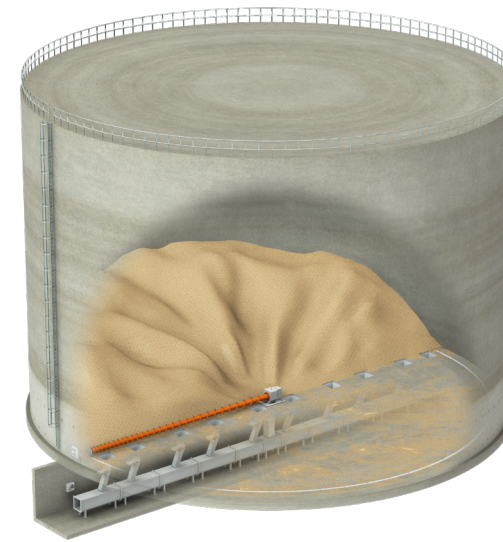
Laidig has done extensive research and development to provide the very best abrasion resistance options specifically to ensure your equipment will hold up even in the harshest of conditions. These Laidig options include: hardened flight, carburized auger knives and blades, and a total hard-facing of the auger flighting and tube.



HEAVY-DUTY RUGGED DESIGN

The Laidig CleanSweep is built with longevity and flexibility in mind. Designed to handle a wide variety of materials, the CleanSweep is ideal for free-flowing and semi-free-flowing materials, including pellets, plastics, grains, and petroleum coke. Unlike traditional bin sweeps, Laidig's rugged CleanSweep is built to perform under upset material conditions or collapsed material piles.

For efficient operation, Laidig utilizes high-power hydraulic motors for the CleanSweep's reclaim and advance drives. This hydraulic system has an integrated, automatic dual-speed reclaim drive, allowing for greater operational flexibility under harsh conditions, frequently eliminating the need for costly aerated floors and dryers. All drive components are protected from the stored material to ensure longevity of equipment and minimize the possibility of material contamination.



AUGER TECHNOLOGY

Laidig's CleanSweep is the industry leader by offering key features that add value and flexibility. Its reversible sweep operation allows greater flexibility when partial clean-out or unexpected silo fill is required. In the case of upset material conditions or a material avalanche, the sweep auger has the ability to reverse out of the material and then continue normal operation.

The CleanSweep features a heavy-duty, rigid auger design coupled with advanced-torque sensing controls to ensure the reclaim auger remains at floor level while advancing at the appropriate rate. These torque-sensing controls and rigid construction eliminate auger climb and maximize efficiency by allowing the sweep auger to cut (not climb) into the stored material.



LAIDIG SMART CONTROLS & LAIDIG MACHINE INTERFACE



The Laidig CleanSweep offers intelligent, fully-automated, push-button operation utilizing Laidig Smart Controls and our LMI™ (Laidig Machine Interface). The LMI provides the operator with maximum control and flexibility while ensuring the sweep is running in a safe and efficient manner. It allows the operation and monitoring of the machine's status in a graphic-rich display. The LMI provides an interface to safely control the CleanSweep system, which can be integrated with various types of customer control systems.

It can also include remote access capability for monitoring or troubleshooting the system off-site, as well as trained expert analysis and feedback (Laidig Connected Support), if enabled by the customer.

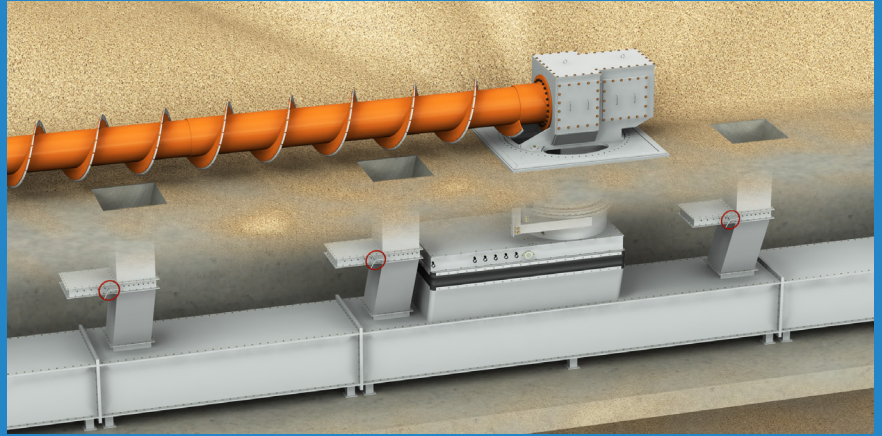


*All Laidig LMIs are custom engineered to each reclaim system. UL has tested representative samples and determined they meet the specific, defined requirements based on UL's published and nationally recognized standards for safety.

AGGRESSIVE STORAGE AND CLEANOUT SOLUTIONS

THE SAFE SYSTEM THAT REALLY WORKS

The Laidig CleanSweep storage and reclaim systems are installed in monolithic concrete silos, domes, bolted steel silos, or in some applications corrugated bins. A variety of baked epoxy coatings are available with bolted steel silos for both interior and exterior silo walls.



Laidig CleanSweep Specifications

Specifications*	Model CS210	Model CS310	Model CS410	Model CS510	Model CS1010	Model CS2010
Storage Diameter	72' (22 m)	105' (32 m)	105' (32 m)	131' (40 m)	160' (49 m)	200' (61 m)
Auger Cutting Diameter	14" (35.6 cm)	14" (35.6 cm)	18" (45.7 cm)	22" (55.9 cm)	32" (81.3 cm)	36" (91.4 cm)
Auger Rotation	60 RPM	60 RPM	60 RPM	60 RPM	36 RPM	30 RPM
Discharge Opening	0.40 ft ² (0.03 m ²)	0.40 ft ² (0.03 m ²)	1.80 ft ² (0.17 m ²)	1.80 ft ² (0.17 m ²)	4.00 ft ² (0.37 m ²)	8.80 ft ² (0.82 m ²)
Reclaim Torque	1x (Base)	2x	3.4x	6.3x	19.5x	22.3x
Hydraulic Power Unit	25 HP	25 HP	50 HP	100 HP	150 HP	250 HP
Depth From Floor (min)	1.70' (0.51 m)	2.48' (0.75 m)	3.00' (0.91 m)	3.58' (1.09 m)	4.17' (1.27 m)	4.17' (1.27 m)

* Data shown conveys generalized specifications of the referenced Laidig reclaimers. Material characteristics and other application-specific parameters can significantly alter reclaim specifications. Please contact a Laidig technical sales representative regarding capabilities for specific applications.



At Laidig, YOUR success is OUR success.

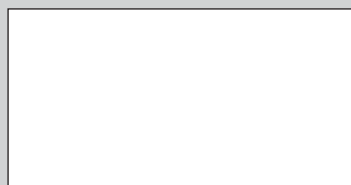
WHAT WE OFFER:

- Custom Engineering and Design
- In-House Manufacturing
- Construction Services and Support
- Multilingual Customer Service

ADDITIONAL OPTIONS:

- Automatic Variable-Speed Drives
- Discharge Conveyor Systems
- Hydraulic Fluid Immersion Heater
- Ultra-Wear AR Design
- Stainless Steel Fabrication
- Hazardous-Environment Design

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



Laidig Systems, Inc.
14535 Dragon Trail
Mishawaka, IN 46544

574.256.0204

sales@laidig.com

 youtube.com/LaidigSystems

© Laidig Systems, Inc. 6/23 Rev J