



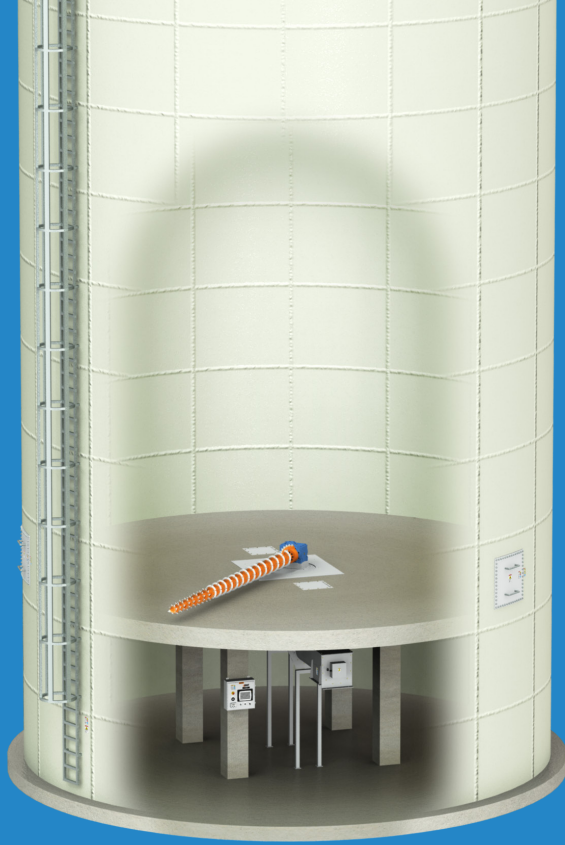
Bulk Storage &  
Automated Reclaiming Solutions

# CANTILEVER

Models 243, 533, 543, 633, 733



THE SOLUTION TO SILO BRIDGING PROBLEMS



## RELIABLE MATERIAL DELIVERY

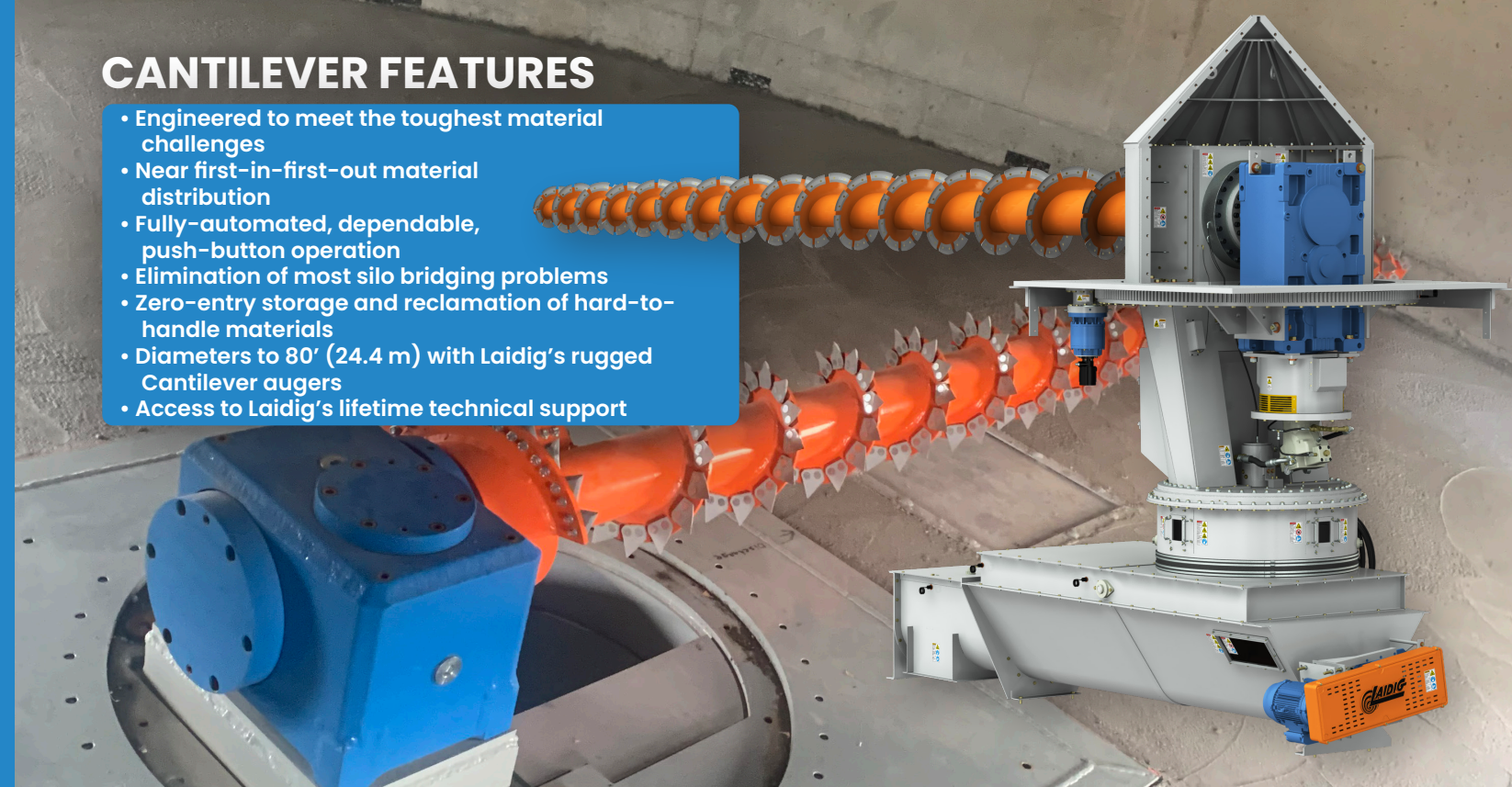
Since 1961, Laidig's reclaim systems have provided reliable and cost-effective solutions for bulk material storage and reclaiming. Their rugged designs and commitment to engineering and manufacturing excellence have made Laidig the worldwide leader in bulk storage & material handling solutions.

Laidig's Cantilever series reclaimers offer superior performance and dependability for a broad range of applications including, but not limited to, sawdust, wood chips, recycled products, meat and grain products and cotton-seed meal. Cantilever series reclaimers provide fully-automated, near-total clean out enabling first-in-first-out (FIFO) material distribution.

With hundreds of Cantilever reclaimers in operation, the track record of reliability, durability, rugged construction and low-maintenance cost make Laidig's Cantilever second to none.

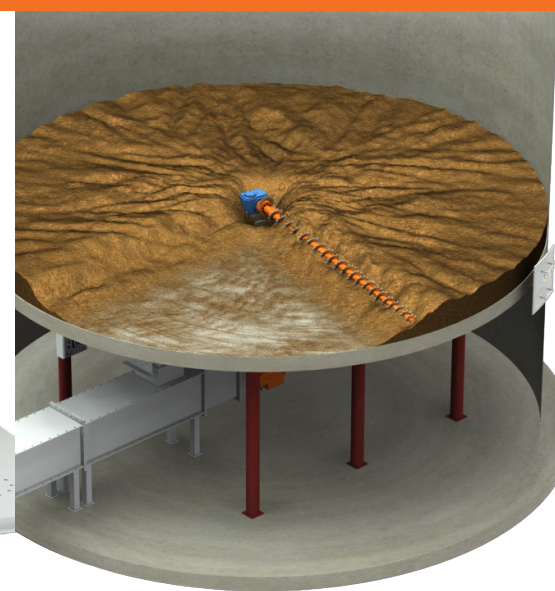
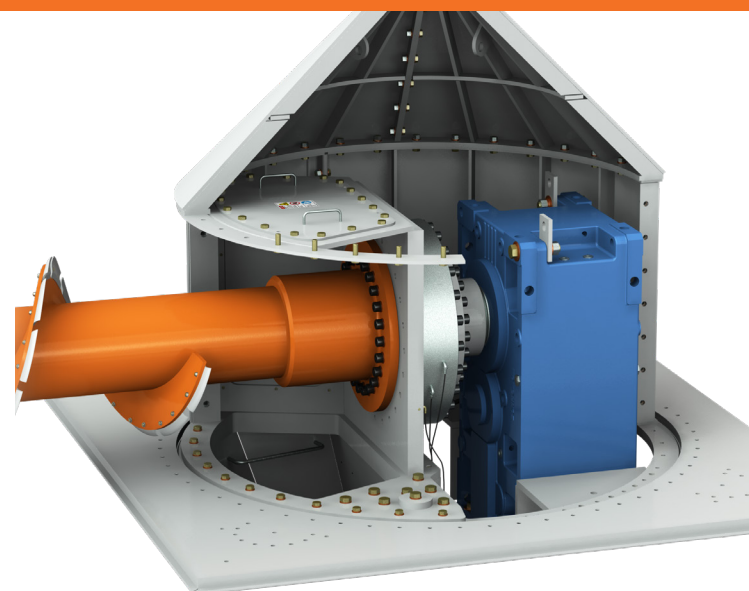
## CANTILEVER FEATURES

- Engineered to meet the toughest material challenges
- Near first-in-first-out material distribution
- Fully-automated, dependable, push-button operation
- Elimination of most silo bridging problems
- Zero-entry storage and reclamation of hard-to-handle materials
- Diameters to 80' (24.4 m) with Laidig's rugged Cantilever augers
- Access to Laidig's lifetime technical support



## CUSTOM-ENGINEERED

Laidig's Cantilever reclaim systems are custom-engineered to meet application-specific requirements. Both electric and hydraulic versions are available, and can be configured with numerous standard options, including Laidig's center dome to restrict material free-flow and replaceable auger knives and cutting blades to optimize auger efficiency in a given product.



## PROVEN TECHNOLOGY

Laidig's Cantilever reclaim systems are built for operational dependability even in the toughest material conditions. Its design offers low cost of operation and easy access of maintenance points. The versatile Cantilever reclaim system has been proven successful in solving difficult material handling problems throughout the world.

## RUGGED DRIVE TRAIN

Laidig's Cantilever reclaim systems are designed with versatility in mind. Available with both hydraulic & electric reclaim drives, the Cantilever series reclaimers offer variable-speed operation, variable-pitch augers and numerous other features tailored to each specific application. Customizable for low profile and retrofit applications, the Laidig Cantilever series reclaimers provide a solution that combines both simplicity and rugged design.

## 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.



## LAIDIG SMART CONTROLS & LAIDIG MACHINE INTERFACE



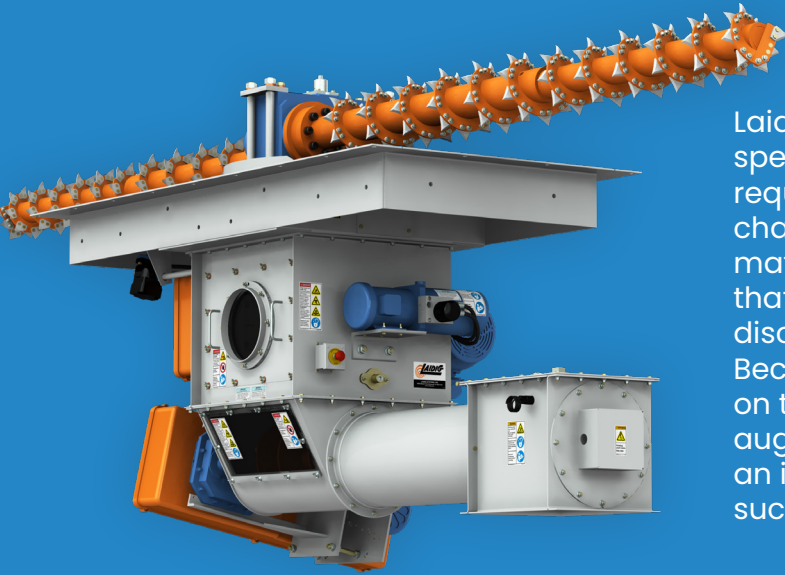
The Laidig Cantilever offers intelligent, fully-automated, push-button operation utilizing Laidig Smart Controls and our LMI™ (Laidig Machine Interface). The LMI provides the operator with maximum control and flexibility while ensuring the reclaimer is running in a safe and efficient manner. It allows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



\*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.

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.

# AGGRESSIVE STORAGE AND RECLAIM SOLUTIONS PROVIDING TOTAL AUTOMATION FOR HIGH-VOLUME STORAGE



Laidig's Cantilever reclaim systems are designed specifically for heavy-duty, industrial applications requiring reclamation of materials with poor-flow characteristics or other properties which make the material difficult to handle. Laidig provides installations that include bolted, welded and concrete silos with discharge service tunnels and conveyors as needed. Because of the dynamic, asymmetric forces exerted on the silos when material is extracted by the reclaim augers, the silo and reclaimer package are designed as an integrated system. This ensures structural integrity and successful long-term operation.

## Laidig Cantilever Specifications

Specifications*	Model R243	Model S243	Model 533 All Hydraulic	Model 543	Model 633 All Hydraulic	Model 733 All Hydraulic
Storage Diameter	30' (9 m)	30' (9 m)	36' (11 m)	36' (11 m)	40' (12 m)	80' (24.4 m)
Auger Cutting Diameter	9" (22.9 cm)	13" (33 cm)	21" (53.3 cm)	21" (53.3 cm)	30" (76.2 cm)	30" (76.2 cm)
Auger Capacity	24 cfm (0.7 m <sup>3</sup> /min)	53 cfm (1.5 m <sup>3</sup> /min)	245 cfm (6.9 m <sup>3</sup> /min)	210 cfm (5.9 m <sup>3</sup> /min)	307 cfm (8.7 m <sup>3</sup> /min)	307 cfm (8.69 m <sup>3</sup> /min)
Auger Rotation	65 RPM	65 RPM	70 RPM	60 RPM	70 RPM	30 RPM
Discharge Opening	2.40 ft <sup>2</sup> (0.22 m <sup>2</sup> )	2.40 ft <sup>2</sup> (0.22 m <sup>2</sup> )	1.80 ft <sup>2</sup> (0.17 m <sup>2</sup> )	3.70 ft <sup>2</sup> (0.34 m <sup>2</sup> )	3.20 ft <sup>2</sup> (0.29 m <sup>2</sup> )	6.75 ft <sup>2</sup> (0.63 m <sup>2</sup> )
Reclaim Torque	1x (Base)	1.7x	2.8x	1.6x	4.3x	14x
Reclaim Drive HP	15 HP	30 HP	-	40 HP	-	-
Hydraulic Power	.75 HP	1.5 HP	30 HP	1.5 HP	50 HP	150 HP

\* 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.

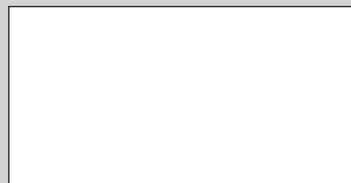
### WHAT WE OFFER:

- 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.



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