



Bulk Storage &  
Automated Reclaiming Solutions

# TRACK-DRIVE

Models 298, 498, 698, 1098

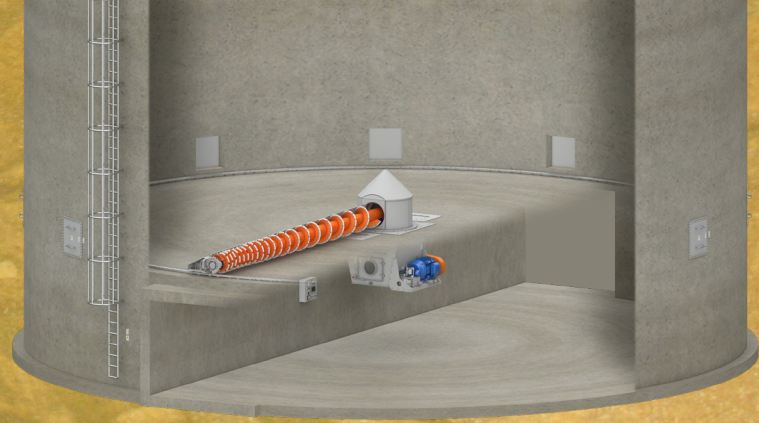


THE RUGGED SOLUTION FOR TOUGH MATERIAL CHALLENGES

## 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 Track-Drive series offers superior performance and dependability for a wide range of hard-to-handle materials, such as meals, feeds, hogged bark, wood chips, biomass, recycled materials, mined products, chemicals, and powders. The Laidig Track-Drive system is engineered to provide a fully-automated, near-total clean out while promoting first-in-first-out (FIFO) material distribution.



## 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.

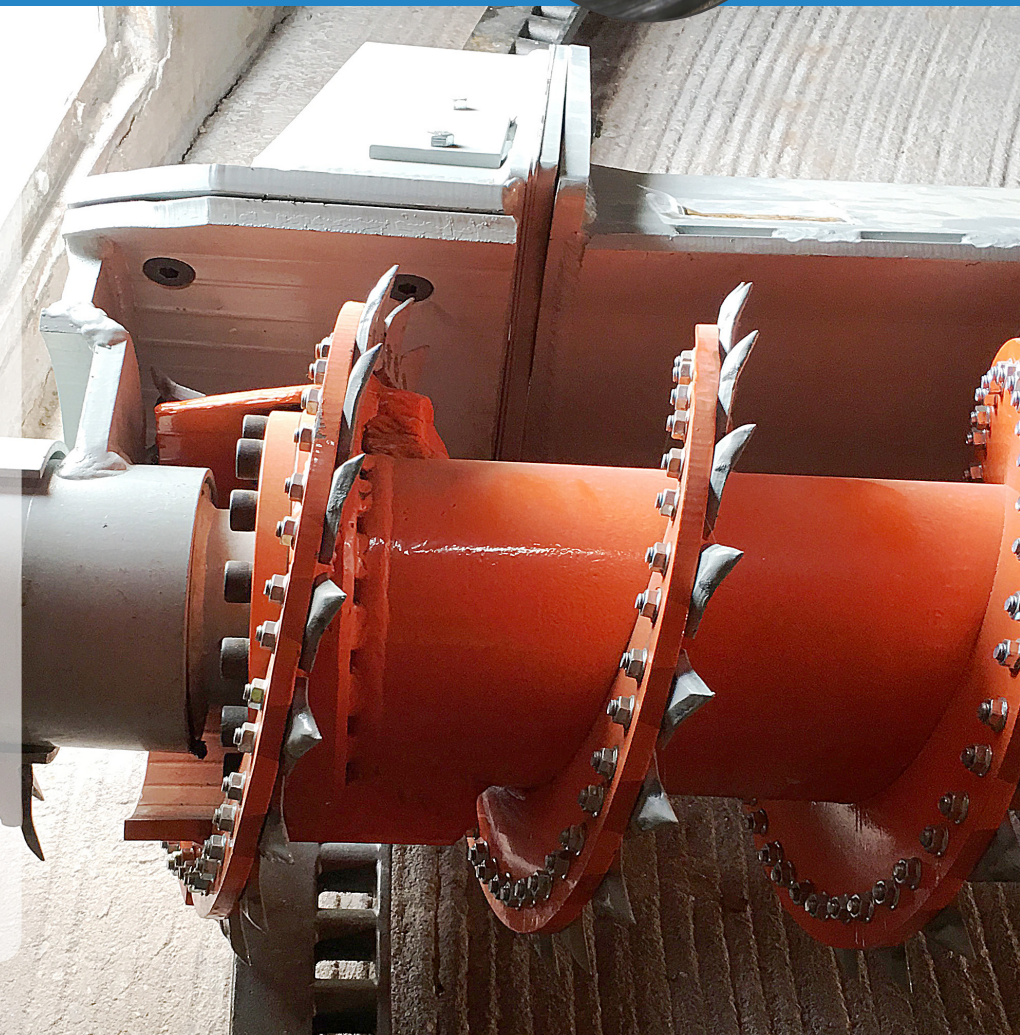
Laidig has done extensive research and development to provide the very best abrasion resistance options specifically to ensure your equipment will hold up even in the harshest of conditions. These Laidig options include: hardened flight, carburized auger knives and blades, and a total hard-facing of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



## TRACK-DRIVE TECHNOLOGY

Laidig's proprietary track and drivetrain technology positively advances the reclaim auger efficiently and effectively, even under a full head-height of material. The unique self-cleaning shoe assembly grips the ductile iron track, keeping the auger firmly in place as it undercuts stored material. The Track-Drive series reclaimer is equipped with a fully-adjustable hydraulic advancing system, allowing for the optimized matching of speed and torque.

Laidig's reinforced shield on the trailing side of the auger maintains proper auger alignment despite the extreme stresses encountered in many industrial applications. The shield also features a lubrication system which allows for the routine maintenance of the track bearing from inside the hopper, even when the silo is fully filled with material.



# TRACK-DRIVE FEATURES

- Engineered to meet the toughest material challenges (including open piles)
- Solves silo-bridging problems
- Fully-automated, dependable, push-button operation
- Controlled delivery for first-in-first-out (FIFO) material distribution
- Accessibility of maintenance components
- Diameters of up to 70' (21 m) with Laidig's Track-Drive system
- Access to Laidig's lifetime technical support

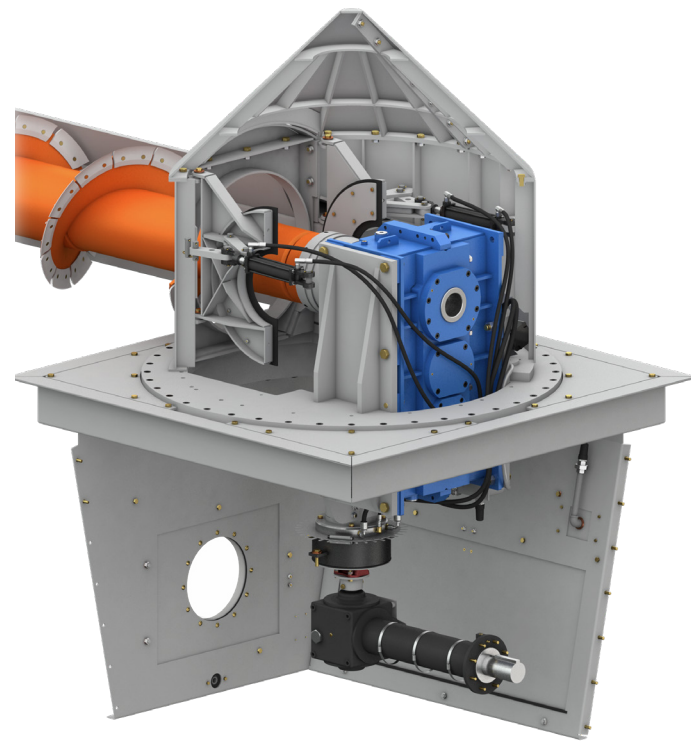


## RUGGED TRACK-DRIVE RECLAIMER

Laidig's Track-Drive reclaim systems can be configured with a variety of options to provide consistent, controlled delivery of material. In installations where the stored material has free flowing tendencies, the Track-Drive reclaimer can be equipped with a dome, creating mass flow and minimizing the effects of material segregation. The dome includes a hydraulically controlled door which allows for secure, material-free maintenance access inside the dome.

Laidig offers advanced-design gearboxes to accommodate the high torque needed by the reclaim auger. The rugged drivetrain has been engineered specifically to excel in the toughest environments and applications. The reclaim auger is equipped with replaceable, wear-resistant cups or knives.

The large hopper increases accessibility and maximizes material capacity. The access door on the side of the hopper simplifies routine inspections and preventative-maintenance procedures.



## LAIDIG SMART CONTROLS & LAIDIG MACHINE INTERFACE



The Laidig Track-Drive offers intelligent, fully-automated, push-button operation utilizing Laidig's 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 Track-Drive reclaim 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.

\*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 RECLAIM SOLUTIONS

## PROVIDING TOTAL AUTOMATION TO HIGH-VOLUME STORAGE

Laidig's Track-Drive reclaim systems are designed specifically for heavy-duty, industrial applications requiring automated reclamation of materials with poor flow characteristics or other properties which make the material difficult to handle. Laidig provides turnkey installations including domes, silos, open piles with service discharge tunnels, conveyors and other peripheral material-handling equipment.



### Laidig Track-Drive Specifications

Specifications*	Model 298	Model 498	Model 698	Model 698H All Hydraulic	Model 1098	Model 1098H All Hydraulic
Storage Diameter	20'-30' (6-9 m)	20'-40' (6-12 m)	21'-60' (6.5-18 m)	21'-60' (6.5-18 m)	30'-70' (9-21 m)	30'-70' (9-21 m)
Auger Cutting Diameter	13" (33 cm)	18" (46 cm)	21" (53 cm)	21" (53 cm)	26" (66 cm)	26" (66 cm)
Auger Capacity	43.8 cfm (1.2 m <sup>3</sup> /min)	141.6 cfm (4.0 m <sup>3</sup> /min)	195.8 cfm (5.5 m <sup>3</sup> /min)	195.8 cfm (5.5 m <sup>3</sup> /min)	261 cfm (7.4 m <sup>3</sup> /min)	261 cfm (7.4 m <sup>3</sup> /min)
Auger Rotation	60 RPM	60 RPM	55 RPM	55 RPM	45 RPM	45 RPM
Discharge Opening	2.3 ft <sup>2</sup> (0.21 m <sup>2</sup> )	3.0 ft <sup>2</sup> (0.28 m <sup>2</sup> )	3.3 ft <sup>2</sup> (0.30 m <sup>2</sup> )	5.5 ft <sup>2</sup> (0.51 m <sup>2</sup> )	5.2 ft <sup>2</sup> (0.48 m <sup>2</sup> )	4.6 ft <sup>2</sup> (0.43 m <sup>2</sup> )
Reclaim Torque	1x (Base)	3.3x	10.0x	10.0x	13.3x	13.3x
Reclaim Drive HP	15 HP	40 HP	125 HP	-	150 HP	-
Hydraulic Power Unit	1.5 HP	1.5 HP	1.5 HP	100 HP	1.5 HP	125 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.



[www.Laidig.com](http://www.Laidig.com)



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