



Bulk Storage &  
Automated Reclaiming Solutions

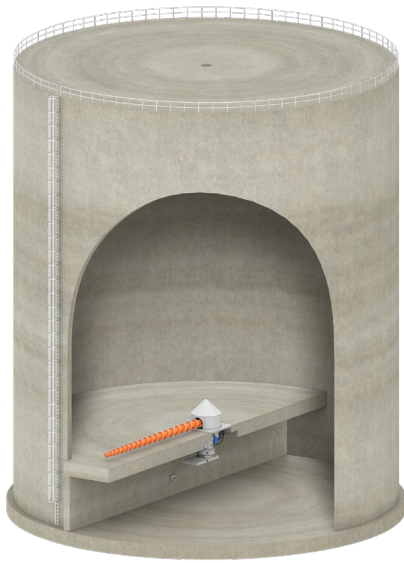
# **X-TRAKTOR™**

Models 1033, 1533, 1566, 1733, 1766



**ULTRA HEAVY-DUTY SOLUTIONS FOR LARGE APPLICATIONS**





## HIGHLY-SCALABLE MATERIAL HANDLING

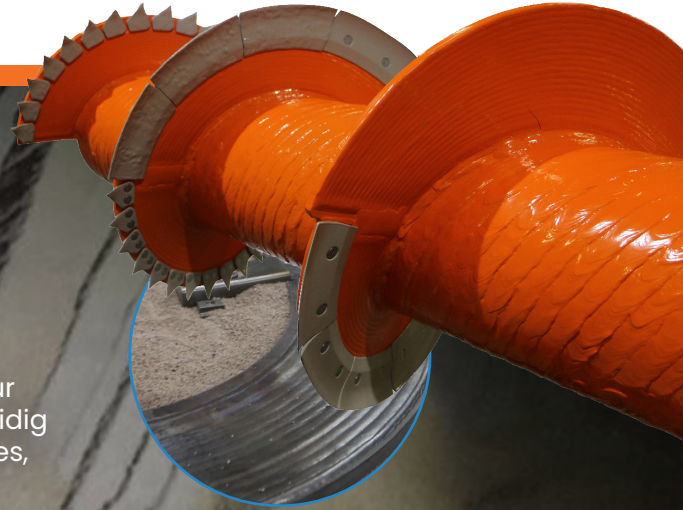
Laidig's X-Traktor material handling solution offers the capabilities of storing and reclaiming tough, non-flowable materials in diameters of up to 150' (46m). The X-Traktor has been completely engineered from the ground up, utilizing Laidig's decades of experience in material handling, engineering and design, and manufacturing capabilities.

The Laidig X-Traktor is designed with scalability in mind. It is suited to be customized to a wide variety of applications in silos, domes, or open piles. The cantilever system and the trolley-supported system share many interchangeable components, minimizing costs while maximizing on-hand availability of spare parts.

## 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-DESIGNED GEARBOX

The reclaim drive system on the X-Traktor is a technology developed and engineered by Laidig. Towering nearly 8ft (2.4m) tall, the rugged reclaim gearbox has been custom designed and manufactured by Laidig. This gearbox is specially designed to comfortably operate under the most extreme material-handling conditions. It is powered by dual hydraulic motors, planetary reducers, and a robust chain with a fixed bearing to drive the reclaim auger.



## CENTER DOME ASSEMBLY

Laidig's center dome is uniquely designed to limit free flow with minimal impact on advance loading. The net effect is a system which promotes mass flow and also minimizes the effects of material segregation. The dome is designed with a double hydraulic safety door and mechanical lock to allow safe maintenance of drive components even in a full silo. In applications where free flow is desired, the dome can be removed.

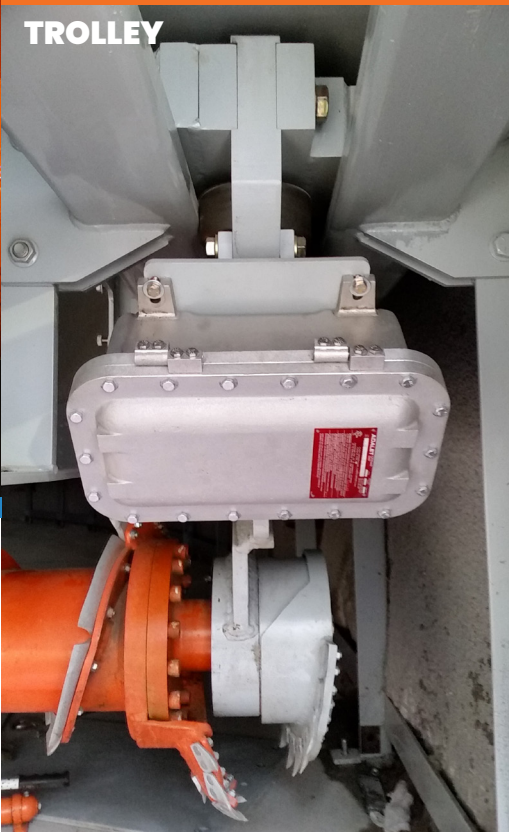


# X-TRAKTOR FEATURES

- Engineered to meet the toughest material challenges
- Modular design for scalability and maximum customization
- Fully-automated, dependable, push-button operation
- Zero-entry storage and reclamation of hard-to-handle materials
- Diameters to 150' (46m) with Laidig's trolley-supported system
- Access to Laidig's lifetime technical support team



## TROLLEY



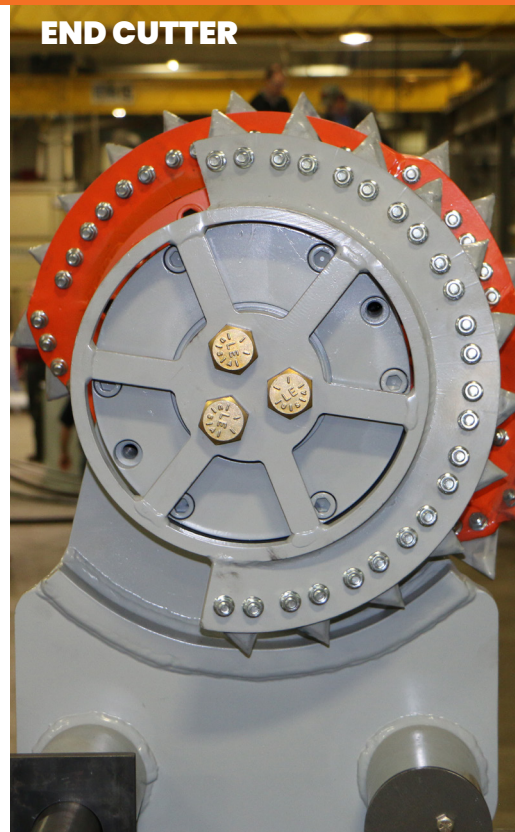
## TROLLEY-SUPPORTED

For silo diameters beyond 100' (30m), Laidig's unique trolley-supported system provides a rugged yet cost-effective solution allowing extra-large diameter storage. The trolley skirt, consisting of a steel frame and eyebrow, shields the trolley bearings and auger end cutter from material buildup. This ensures the auger advances smoothly and consistently.

## PROPRIETARY AUGER END CUTTER

Laidig's auger end cutter is the result of over 50 years of experience in reclaiming hard-to-handle materials. The multiple layers of teeth and cutting surfaces guarantee smooth auger advancement through tough materials, while keeping bearings and rollers clear of debris.

## END CUTTER



## LAIDIG SMART CONTROLS & LAIDIG MACHINE INTERFACE



The Laidig X-Traktor 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 X-Traktor 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 SYSTEMS

## PROVIDING TOTAL AUTOMATION FOR HIGH-VOLUME STORAGE

The Laidig X-Traktor is 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 turnkey installations including domes, silos, or open piles with a service discharge tunnel.



### Laidig X-Traktor Specifications

Specifications*	Model 1033	Model 1533	Model 1566 Trolley-Supported	Model 1733	Model 1766 Trolley-Supported
Storage Diameter	80' (24 m)	90' (27 m)	118' (36 m)	100' (30 m)	150' (46 m)
Auger Cutting Diameter	36" (91.4 cm)	36" (91.4 cm)	36" (91.4 cm)	36" (91.4 cm)	36" (91.4 cm)
Auger Capacity	600 cfm (17.0 m³/min)	600 cfm (17.0 m³/min)	600 cfm (17.0 m³/min)	600 cfm (17.0 m³/min)	600 cfm (17.0 m³/min)
Auger Rotation	40 RPM	40 RPM	40 RPM	40 RPM	40 RPM
Discharge Opening	3.55 ft² (0.32 m²)	3.55 ft² (0.32 m²)	3.55 ft² (0.32 m²)	3.55 ft² (0.32 m²)	3.55 ft² (0.32 m²)
Reclaim Torque	1x (Base)	1.4x	1.4x	2.1x	2.1x
Hydraulic Power Unit	200 HP	250 HP	400 HP	300 HP	600 HP
Depth From Floor (min)	5.52' (1.68 m)	5.52' (1.68 m)	5.52' (1.68 m)	5.52' (1.68 m)	5.52' (1.68 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.

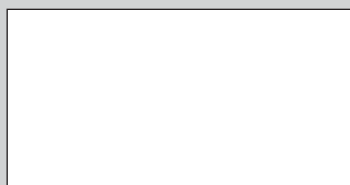
#### WHAT WE OFFER:

- 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.



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