

4-Inch Mini Auger ModDredge

Move More Solids. Waste Less Water.

Compact remote-operated dredging system for lined ponds, lagoons, tailings ponds, and sensitive containment areas. The EDDY Pump 4-inch Mini Auger Liner-Safe ModDredge is a modular system built around a 4-inch EDDY Pump, liner-safe auger, and controlled mobility package.

Designed for high-solids sludge, sediment, tailings, and settled solids to improve solids recovery while limiting excess dilution water.

[Request a Quote](#)

[Download Family Guide](#)

[Talk to an Application Specialist](#)



Snapshot Specs

PACKAGE FLOW RANGE
600-900 GPM

SOLIDS PRODUCTION
75-150 yd³/hr

SOLIDS CONCENTRATION
40-70% by weight

PUMPING DISTANCE
Up to 1,500 ft / 457 m

MAX DREDGING DEPTH
20 ft / 6.1 m

AUGER CUTTING WIDTH
4 ft / 1.22 m

PLATFORM SIZE
20 ft x 8.5 ft

HEAVIEST COMPONENT
7,500 lbs / 3,400 kg

Why Choose the 4-Inch Mini Auger ModDredge?

- Liner-safe auger and mobility system for geomembrane-lined containment areas.
- Remote-operated system designed for safer, controlled dredging.
- Compact modular platform for limited-access or smaller dredging sites.
- High-solids dredging package designed to reduce dilution water.

Best-Fit Applications

Lined ponds and lagoons

Oil and gas waste pits

Mining tailings ponds

Industrial sludge removal

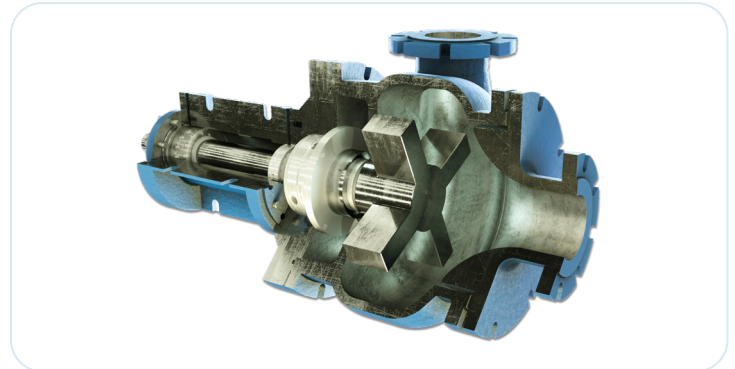
Environmental remediation

Limited-access sites

Pump Platform Specifications

Pump Spec	4-Inch Mini Auger ModDredge
Core Pump Platform	EDDY Pump 4 in (HD-4000)
Discharge Size	4 in
Suction Size	6 in
Base Pump Flow Range	250-1,200 GPM
Mini Auger Package Flow Range	600-900 GPM
Head Range	Up to 160 ft TDH
Solids Handling	Up to 3 in
% Solids by Weight	40-70% package range
Production Rate	75-150 yd ³ /hr
Max Pump Speed	1,800 RPM

Inside the EDDY Pump Difference



The Mini Auger ModDredge is built around the patented EDDY Pump design. The recessed rotor and open internal flow path help keep abrasive, high-solids slurry moving while reducing clogging in heavy slurry service.

Move More Solids. Waste Less Water.

Selection Note

The Mini Auger operating range is package-specific. Final selection should be based on slurry density, solids concentration, discharge distance, pipe size, elevation change, material type, and available power source.

Driver / Power Package Options

Power Package	Prime Mover / Main Drive	Hydraulic Power Unit	Best-Fit Use
Diesel Powered	125 HP diesel engine	50 HP diesel HPU	Remote sites, mobile jobs, field deployment, and locations without dependable electric power.
Electric Powered	Approx. 168 kW electric motor / 225 HP equivalent	Approx. 37 kW electric HPU / 50 HP equivalent	Fixed facilities, lined ponds, lagoons, and plant sites with available electric power.

Important Power Package Note: The pump platform is not electric, diesel, or hydraulic by itself. The pump is the wet-end platform. The driver or power package provides the electric motor, diesel engine, hydraulic motor, HPU, controls, and package-specific support equipment.

Equipment / System Specifications

Equipment Spec	4-Inch Mini Auger ModDredge
System Type	Mini Auger Liner-Safe ModDredge
Pump Size	4 in
Cutter Type	Liner-safe auger cutter
Auger Cutting Width	4 ft / 1.22 m
Maximum Dredging Depth	20 ft / 6.1 m
Depth Extension	Available / optional
Platform Length	20 ft / 6.1 m
Platform Width	8.5 ft / 2.6 m
Heaviest Component	7,500 lbs / 3,400 kg
Deployment	Floating dredge platform; assembles directly on water
Operation	Full remote-operated system
Positioning	(2) traversing winches; controlled movement for precision dredging
Mobility	Large rubber wheels for liner-safe operation
Automation	Optional autonomous dredging capability and RTK/GPS positioning system

Auger / Excavation System

- Auger feeds settled material toward the pump intake.
- Designed for sludge, sediment, tailings, grit, and soft compacted solids.
- Not intended for hard rock or large debris fields.

Mobility & Positioning

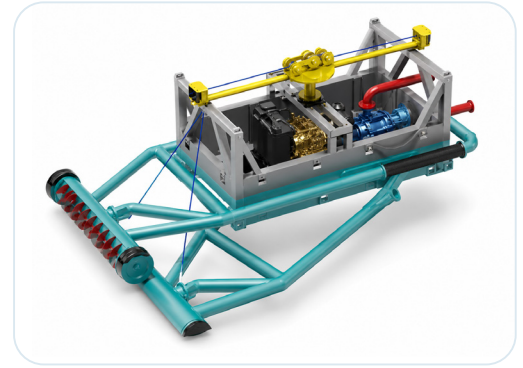
- Remote operation allows operators to control dredging from a safe distance.
- Traversing winches support controlled movement across the dredging area.
- Large rubber wheels help protect liners and support precision movement.

Controls & Automation

- Standard full remote-operated system.
- Optional autonomous dredging capability, additional cost.
- Optional RTK/GPS positioning system, additional cost.
- Monitoring details to be confirmed by engineering.

Dimensions & Installation Footprint

Dimension / Installation Detail	4-Inch Mini Auger ModDredge
Platform Length	20 ft / 6.1 m
Platform Width	8.5 ft / 2.6 m
Maximum Dredging Depth	20 ft / 6.1 m
Auger Cutting Width	4 ft / 1.22 m
Heaviest Component	7,500 lbs / 3,400 kg
Assembly Method	Modular system; assembles directly on water
Booster Requirement	Application dependent



Power / Control / Booster Notes	
Package Configuration	Dimension Note
Power source	Available in diesel or electric packages depending on site power, mobility, emissions, and operating requirements.
Remote / autonomous control	Remote operation and autonomous options support safer operation, repeatable dredging patterns, and controlled production.
Booster support	Booster-supported configurations can extend discharge distances where pipeline length, head, elevation, or slurry density require additional pump support.
Engineering selection	Final ModDredge sizing should be based on pond dimensions, dredging depth, target production, discharge distance, slurry density, solids concentration, and power availability.

What Customers, Installers, and Engineering Need

- Overall length, width, height, and the heaviest component.
- Access, launch requirements, and hose/discharge route.
- Connection sizes, lifting points, assembly method, power, and controls.
- Final general arrangement, weight by configuration, guards, access, and package-specific dimensions.

Information Needed to Size the Correct Mini Auger ModDredge

Application Data

- Material being dredged: sludge, sediment, tailings, grit, ash, waste pits, or mixed solids.
- Estimated solids volume and desired production rate.
- Solids concentration, slurry density, and abrasiveness.
- Solids size, debris, and whether the material settles or compacts.
- Required discharge location and disposal method.

Industries Served

- Mining and tailings
- Oil and gas waste pits
- Industrial sludge
- Wastewater lagoons
- Environmental remediation
- Lined containment areas

Site and Installation Data

- Pond or lagoon dimensions and maximum dredging depth.
- Liner type, liner condition, and site restrictions.
- Available power: diesel or electric.
- Discharge distance, elevation change, and hose/pipe route.
- Site access, launch area, and mobilization constraints.

Download Resources

Download the 4-Inch Mini Auger ModDredge Spec Sheet, Mini Auger ModDredge Brochure, product page quote form, and application review checklist.

[Download Family Guide](#)

Need a compact dredging system for a lined pond, lagoon, or sensitive containment area?

Send the duty point, pond details, liner requirements, material description, discharge distance, and available power source so EDDY Pump can confirm the right configuration.

[Request a Quote](#)

[Talk to an Application Specialist](#)