



## MINI AUGER MODDREDGE

### COMPACT. LINER-SAFE. HIGH-SOLIDS DREDGING FROM 4-INCH TO 16-INCH AUGER DREDGES

The Mini Auger ModDredge is a compact, modular dredging system engineered for high-solids production in lined ponds, lagoons, canals, tailings ponds, and other confined environments. It combines auger-driven material agitation with EDDY PUMP non-clog technology to deliver controlled dredging performance with simple mobilization and remote operation.

#### SYSTEM CAPABILITIES

- **SINGLE-TRUCK MOBILIZATION:** Entire system transports on one standard truck
- **RAPID DEPLOYMENT:** Designed for quick setup and teardown
- **LINER-SAFE AUGER DESIGN:** Better suited for lined and sensitive surfaces
- **HIGH-SOLIDS PUMPING:** 40%–70% solids by weight
- **REMOTE OPERATION (STANDARD):** Operate from shore or a safer location

#### WHAT CHANGES WITH A COMPACT AUGER DREDGE

The Mini Auger ModDredge is designed for projects where larger dredges are excessive and conventional cutterhead systems may damage liners.

It combines compact deployment, controlled operation, and high-solids pumping into a single system, allowing operators to work efficiently in confined or sensitive environments.



## HOW MINI AUGER MODDREDGE WORKS



### DEPLOY

Transport and mobilize quickly for operation in remote or restricted sites

- Entire system fits on a single truck
- Rapid setup and teardown
- Suitable for multiple short-duration projects



### POSITION

Maintain controlled and stable operation during dredging

- Designed for operation in confined environments
- Maintains consistent intake position
- Supports controlled material removal



### AUGER + PUMP

Agitate and transfer high-solids slurry

- Auger head feeds material into the intake
- Non-clog pump handles abrasive and viscous slurry
- Maintains high solids concentration during operation

**REMOTE OPERATION:** Operate from shore or another safer location

**OPTIONAL RTK/GPS:** Supports improved dredging precision

## PERFORMANCE SNAPSHOT

SYSTEM SIZE RANGE	FROM 4-INCH TO 16-INCH
FLOW CAPACITY	250 to 13,000 GPM
SOLIDS HANDLING	40% - 70%
PUMPING DISTANCE (APPLICATION DEPENDENT)	UP TO 3,500 FT
DREDGING DEPTH	UP TO 30 FT
TRANSPORT CONFIGURATION	SINGLE TRUCK
POWER OPTIONS	DIESEL OR ELECTRIC

Performance varies based on material, percent solids, SG, discharge distance, elevation, power package, hose/pipe size, and site conditions.

### POWER OPTIONS

#### DIESEL POWER

Used for remote or off-grid operations

#### ELECTRIC POWER

Used in facilities where power is available

#### HYDRAULIC FUNCTIONS & CONTROLS

Supports system operation and control



## MINI AUGER MODDREDGE LINEUP

Choose the system based on site access, production requirements, and discharge conditions.

### 4-Inch vs 6-Inch: Which Mini Auger ModDredge Should You Choose?

Feature	4-Inch Mini Auger ModDredge	6-Inch Mini Auger ModDredge
<b>Best for</b>	Smaller ponds, tighter access, lighter production requirements	Larger ponds, higher production, more demanding cleanout work
<b>Footprint</b>	More compact	Compact with higher output
<b>Production (Flow Rate)</b>	250 – 1,200 GPM	450 – 2,500 GPM
<b>Typical fit</b>	Tight-access projects, smaller lined basins, lighter-duty dredging	Broader range of pond, lagoon, and tailings applications

### 8-Inch–16-Inch ModDredge Comparison Table

Feature	8-inch ModDredge	10-inch ModDredge	12-inch ModDredge	16-inch ModDredge
<b>Best for</b>	Mid-size to larger dredging projects	Higher production dredging applications	Large scale dredging operations	Maximum volume dredging projects
<b>Footprint</b>	Modular and transport friendly	Larger modular system	Larger modular system	Largest modular system
<b>Production (Flow Rate)</b>	1,400–3,600 GPM	1,600–5,000 GPM	2,600–7,300 GPM	10,000–13,000 GPM
<b>Typical fit</b>	Ponds, lagoons, industrial basins, mining ponds	Tailings, lagoons, larger industrial basins	Ash ponds, tailings ponds, large industrial dredging	Large mining, industrial, and power-generation dredging

Application dependent. Final sizing should be reviewed by EDDY Pump engineering.

## TYPICAL APPLICATIONS



Lined ponds and lagoons



Tailings ponds



Canals and irrigation channels



Ash ponds and process water basins



Industrial sludge basins



Environmental remediation projects

## LINER-SAFE DREDGING FOR ENGINEERED PONDS

The Mini Auger ModDredge is designed for environments where liner protection and controlled sediment removal are critical. Its auger-based dredging approach, along with optional water jetting ring and no-cutter configurations, offers a liner-safe alternative to conventional cutterhead dredging systems for ponds, lagoons, and other sensitive surfaces.



### CONTROLLED MATERIAL REMOVAL

- Auger intake reduces direct surface impact
- Defined intake zone improves precision
- Lower disturbance at the liner surface
- Stable operation reduces unintended movement



### CONFIGURATION FOR LINER PROTECTION

- No aggressive cutterhead required
- Controlled-contact auger head
- Suitable for HDPE-lined ponds and lagoons
- Supports precision dredging in confined systems



### WHERE THIS APPROACH IS USED

- Tailings ponds
- Lined lagoons and basins
- Industrial containment systems
- Environmental dredging projects

## SYSTEM PERFORMANCE AND OPERATIONAL ADVANTAGES

The Mini Auger ModDredge is designed to move high solids by weight, reducing the amount of water that must be handled, transported, and disposed of.

Compact transport and remote operation simplify deployment and improve control in difficult environments.

### KEY ADVANTAGES



#### LINER-SAFE DESIGN

- Auger-based intake
- Reduced risk of surface damage
- Suitable for lined environments



#### REMOTE OPERATION

- Operate from shore
- Reduced personnel exposure
- Improved control



#### LONG-DISTANCE PUMPING

- Up to 3,500 ft discharge
- Booster requirements depend on discharge distance, elevation, slurry characteristics, and pipeline design.
- Simplified system layout



#### HIGH-SOLIDS PRODUCTION

- 40%–70% solids by weight
- Reduced water handling and disposal
- Supports faster project completion in many dredging applications



#### SIMPLIFIED MOBILIZATION

- Single-truck transport
- Rapid setup and teardown
- Suitable for remote projects

## WHEN TO USE THE MINI AUGER MODDREDGE

Choose this system when the project requires compact deployment, high-solids pumping, and controlled dredging in sensitive environments.

### BEST FIT CONDITIONS

- Lined ponds, lagoons, or containment basins
- Tight or restricted job sites
- High-solids dredging requirements
- Remote or difficult-to-access locations
- Projects requiring reduced labor exposure



## SYSTEM SELECTION GUIDANCE

The Mini Auger ModDredge is ideal for compact 4-inch and 6-inch dredging applications where controlled operation, liner protection, and simplified mobilization are important. For higher production requirements, the ModDredge line is also available in larger 8-inch through 16-inch configurations.



## COMPLETE SYSTEM PACKAGES AND ACCESSORIES

The Mini Auger ModDredge can be supplied as a complete dredging package configured for the project's production, transport, and discharge requirements. Supporting equipment can be integrated to improve pumping distance, pipeline stability, monitoring visibility, and overall system control in lined ponds, lagoons, canals, and other confined dredging environments.



### BOOSTER PUMPS

Increase discharge distance and maintain slurry flow over longer pipeline runs where additional pumping pressure is required.



### DREDGE MONITORING SYSTEMS

Monitor operating conditions such as flow, pressure, production, and system performance during dredging.



### HDPE DREDGE PIPE

Provides a durable, abrasion-resistant pipeline solution for transporting slurry between the dredge and discharge location.



### POSITIONING SYSTEMS

Support controlled dredging paths and improve accuracy in confined or liner-sensitive environments.



### PIPE FLOATS

Keep discharge pipelines supported and properly positioned during floating dredging operations.



### MODULAR BARGE PLATFORMS

Expand deployment flexibility by supporting pumps, hydraulic systems, power units, and additional equipment on modular floating platforms.

## **BUILT FOR COMPACT, CONTROLLED, HIGH-SOLIDS DREDGING**

The Mini Auger ModDredge is designed for projects where access, liner protection, and efficient solids handling are critical.



Oversized internal passage helps reduce clogging in high-solids slurry.

**EDDY PUMP CORPORATION**

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### **PROJECT INFORMATION REQUIRED**

1. Material type and solids content
2. Production requirements
3. Dredging depth
4. Discharge distance
5. Site access constraints
6. Power availability

### **CONFIGURATION SUPPORT PROVIDED**

1. Recommended system size (From 4-inch to 16-inch)
2. Configured dredging solution
3. Guidance on system setup and operation

The Mini Auger ModDredge is configured based on site conditions, material characteristics, and required production, ensuring the system matches the demands of the project.

## **REQUEST APPLICATION REVIEW AND SYSTEM CONFIGURATION GUIDANCE**

**Scan for Product Details**

[www.eddypump.com/products/dredging-systems/mini-auger-moddredge/](http://www.eddypump.com/products/dredging-systems/mini-auger-moddredge/)

