



UNOLS
East Coast
WINCH POOL



WOODS HOLE
OCEANOGRAPHIC
INSTITUTION

Woods Hole Oceanographic Institution
Woods Hole, MA



Staff



Jamie Haley
Senior
Engineering
Assistant

Josh Eaton - Engineer



Brian Guest
Manager

| What We Do

- Supply overboarding equipment to the scientific community and UNOLS fleet
- Maintenance, repair and testing of our equipment
- Provide consulting and engineering services to the UNOLS fleet
- Work with vendors to procure new systems
- Design new ways to make collecting data easier and more efficient with our systems.

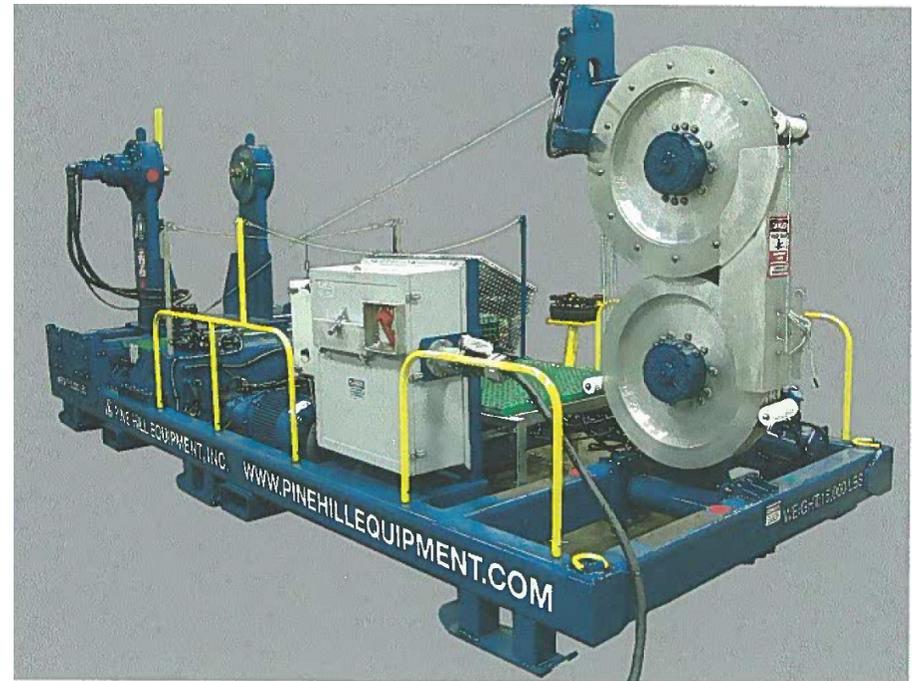
Equipment - Winches

- 1 Ultra Light Duty Winch 1300 lb SWT
- 5 Light Duty Winches ~3400 lb SWT
- 4 Medium Duty Winches 5200 lb – 6200 lb SWT
- 1 Heavy Duty Winch 10,000 lb SWT
- 2 TSE Mooring Spoolers
- 1 Dedicated Trace Metal Winch
- 2 Motion Reference Units
- Assorted blocks



Equipment – Wire Tension System

- Pinehill Tensioner
- TSE Bull Wheel Tensioner
- Leitheiser Tensioner
- Reel-Power Winder Cart



Equipment - Blocks

- One ½" Harken Block
- Two .322 Harkin Blocks
- One 36" diameter 0.681 Block
- One 0.322 Trace Metal Sheaves
- One Wide Groove Metering Shreve
- One ¼" Trace Metal Sheave
- One 48" diameter 0.681 Sheave



| Equipment - Other

- Two Light Duty Turn Tables
- One Medium Duty Turn Table
- One 25K and nod 50K Load Cells
- One Quick Check Tensiometer
- 2000 sq ft Winch Pool Shop
- One 3 Phase 220 VAC to 480 VAC Transformer
- Multiple Slip Rings
- Two MRUs

| Turntable



Website

Woods Hole Oceanographic Institution UNOLS East Coast Winch Pool

[Home](#) [Request Form](#) [Inventory](#) [Schedule](#) [Contact Us](#)



About us

The UNOLS East Coast Winch Pool was developed to facilitate the science based use of winches. The East Coast Winch Pool is part of the [UNOLS Equipment Pool Program](#). We maintain, prepare, and repair portable winches used in the fleet. The majority of our funding comes from the [National Science Foundation](#).

Types of Winches

Heavy Duty

These winches are large and are for large diameter cables. They are multiple pieces.

Medium Duty

These winches are relatively large and are best suited for larger diameter cables or very long lengths of smaller cable. They are capable of holding 2000 meters of 0.5 inch cable. They can be used with a motion reference unit and have active heave compensation. They are also capable of operating with render and render recover modes.

Light Duty

These multipurpose winches are best suited to small diameter cables. They can level wind any diameter cable and are suitable for most applications. For example, they are capable of holding 2000 meters of 0.322 cable. They can be used with a motion reference unit and have active heave compensation. They are also capable of operating with render and render recover modes.

Ultra-light Duty

These winches are the smallest least powerful winches available. They are used for light loads.

Mooring Spooler

These winches are used in mooring operations.

Base Plate

The East Coast Winch Pool has standard base plates and turntables for the winches.

Wire Spooler

Wire spoolers are used to spool cable onto winches. Contact the WHOI Port Office for scheduling.

Sheaves

Sheaves in the pool available to users

MRU

Accessory for adding heave compensation to winch

How to Schedule

Use the schedule [request form](#), or [call](#) the winch pool.



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Website – Request Form

Woods Hole Oceanographic INSTITUTION
UNOLS East Coast Winch Pool

AUTHORIZED USERS

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Request Form

Requestor*: first last

PI*: first last

Institution Name:

Email Address*:

Telephone Number(s)*:

Agency: or other agency:

Ship: Cruise:

Mobilization date (mm/dd/yyyy): Mobilization port:

Demobilization date (mm/dd/yyyy): Demobilization port:

Weight of gear (lbs):

Expected tension (lbs):

Wire used: Wire length (m):

Use description:

Comments:

I'm not a robot  reCAPTCHA
Privacy - Terms

Website - Schedule

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UNOLS East Coast Winch Pool

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UNOLS Winch Pool Schedule

= equipment in-use Start month: Start year: End month: End year:

Inventory	Jan	Feb	Mar	Apr	May	Jun	Jul
MASH4K-1							
MASH4K-2							
MD-1							
MD-2							
MD-3							
LD-1							
LD-2							
LD-3							
MASH2K-1							
MASH2K-2							
MS-1							
MS-2							
ULD-1							
Liethiser							
Pine							
TSE							
HD-2							
Large							
Small							
Turn Table							
#20							
#21							
16" Metering Block							
Metering							
MRU 1							
MRU 2							

Website – Equipment Specifications

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[Request Form](#)

[Inventory](#)

[Schedule](#)

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Winch Pool Inventory

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Inventory	
Medium Duty: MASH4K-1	Status: available
Manufacturer: MacArtney	Model: MASH4000
Manufacturer serial: H11152 V35480-1	WHOI property tag: 114785
Empty weight (lbs): 5732	Length (in): 66.9
Width (in): 102.4	Height (in): 80.7
Drum diameter (in): 20.1	Roller diameter (in): 11.8
Drum width (in): 46.6	Flange diameter (in): 39.6
Tension monitoring: Yes	Payout monitoring: Yes
Safe working load (lbs): 6294	Remote control: Yes
Comments:	
Base plate compatibility: none	Tension member compatibility: none
Documents: MASH4K MCD.pdf	Images: MASH4K.jpg

Contact Information

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Home

Request Form

Inventory

Schedule

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Contact Us

Email us at:

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