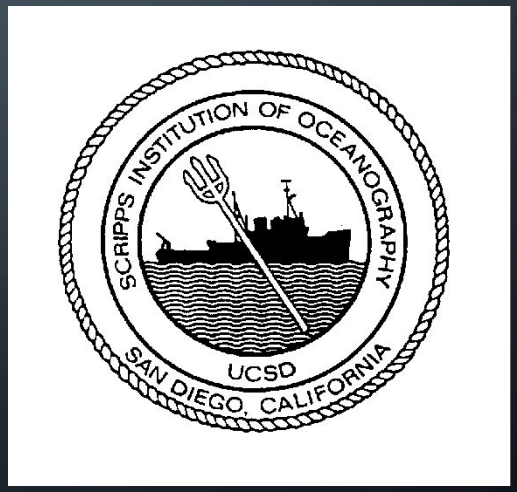
RVTEC 2024

NSF WEST COAST WINCH POOL OPERATED BY SCRIPPS INSTITUTION OF OCEANOGRAPHY



OUR MISSION

- To provide an inventory of oceanographic winches (etc.) for shared use.
- To keep our inventory in good repair and in compliance with applicable standards (CFR, RVSS).
- To modify our inventory to better serve our community.
- To provide technical support: cable/wire rope spooling, training, maintenance, repairs, engineering, fabrication, advice…

HOW THE WINCH POOL WORKS

- Funded by NSF
- Customers (science parties, vessel operators, …) communicate their needs to us (email, phone, text…).
- We provide the machinery/personnel required to meet their needs.
- We send the machinery/personnel where they're needed.
- Those conducting NSF-funded research generally incur no costs to use our machinery and personnel.
- Others ***generally*** pay a "day rate" and the cost of freight.

LIGHT-DUTY WINCHES

Hawboldt SPR-2036/S

Up to 3,500 lbs pull.
Holds 3,000 m of .322” cable.

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MOORING WINCH

Hawboldt SPRE-3464 Mooring Winch

Provides up to 10,000 lbs pull.

Withstands up to 20,000 lbs pull.

Tension and Scope Display

Holds 2,800 m of 1” line.

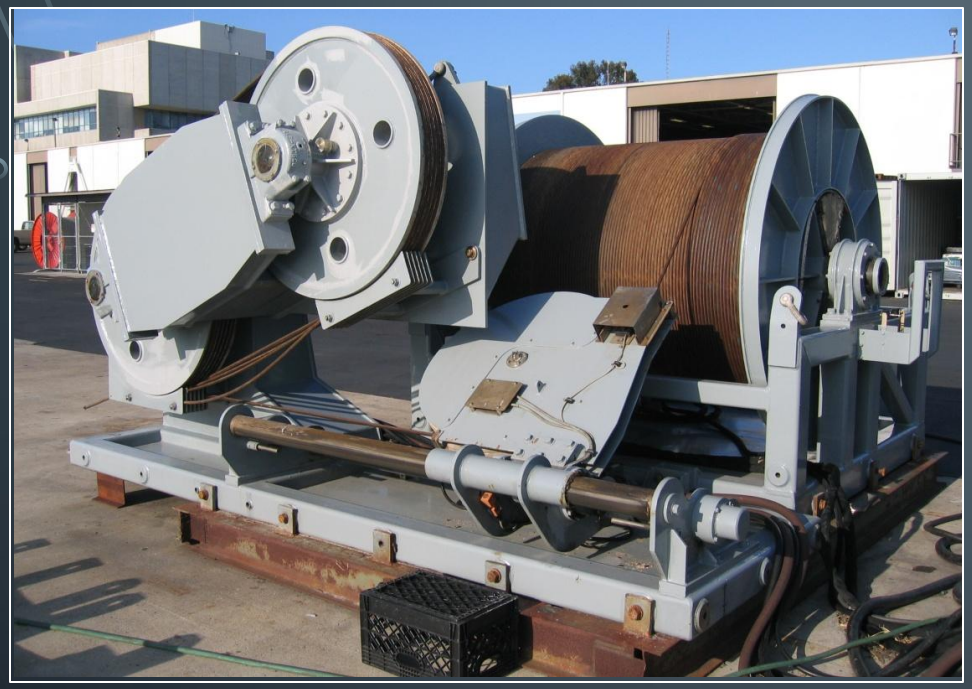
Same footprint as TSE Spooler.

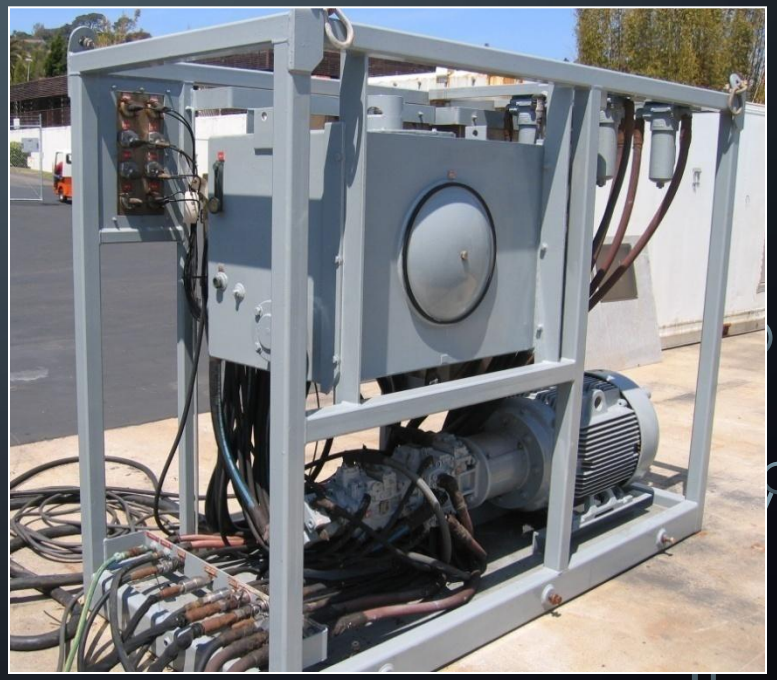
MOORING CAPSTAN

Lebus Mooring Capstan

Also for spooling moorings.
Up to 7,000 lbs pull. Unlimited cable-holding capacity.
(Remote operating station, wireless remote not shown)

HEAVY-DUTY WINCH





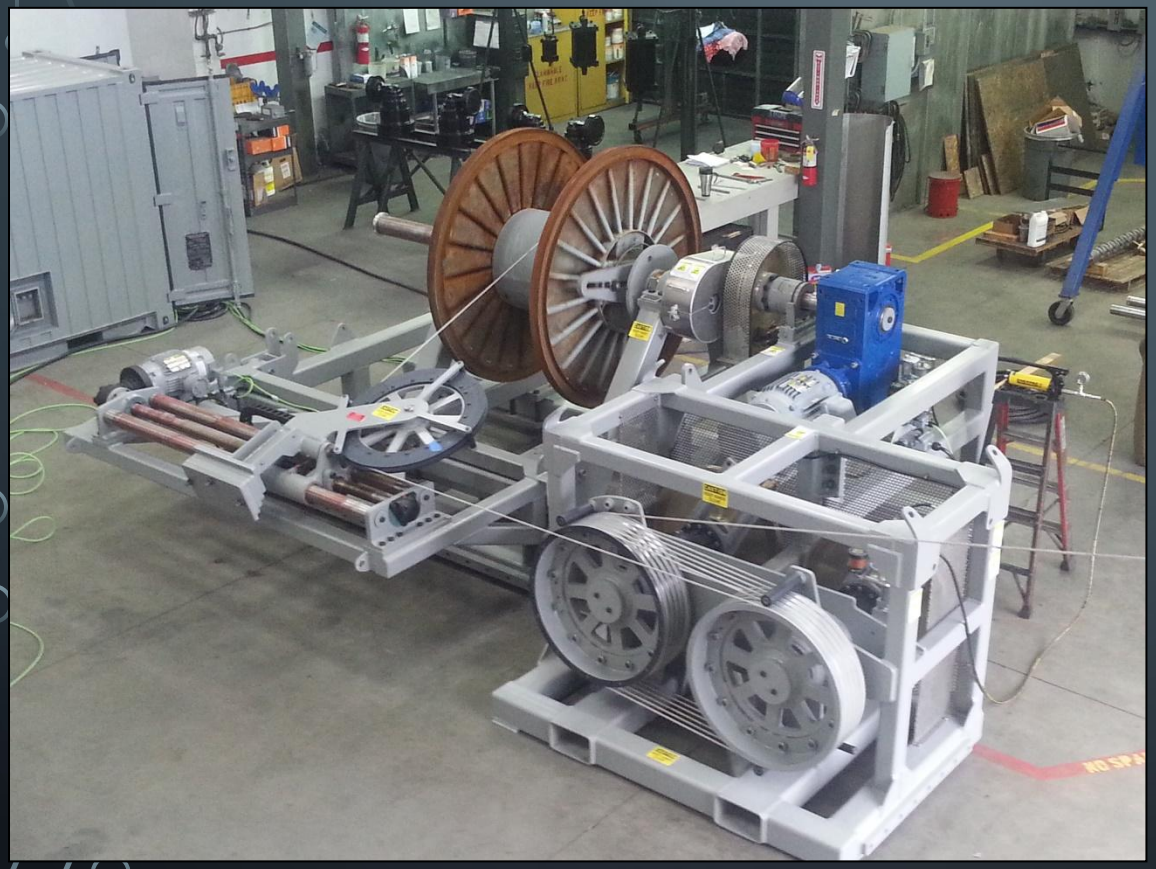
Dynacon Traction Winch

Up to 25,000 lbs pull.

Holds 10,000 m of .681 cable.

(Remote operating station not shown.)

TENSIONING SPOOLER



Markey Machinery

Neatly winds .681”, .680”, 9/16”, 3/8”, .322”, ¼” tension members onto or off of ships.

Portable.

Can be containerized and shipped anywhere.

PROJECTS 2023-2024

- Helped improve our web presence.
- Created a proposal to operate the WCWP thru 2029. Submitted it.
- Provided Appendix B training at WHOI.
- Made OHS operator's manuals for *Sikuliaq*.
- Made a remote training program for the Hawboldt mooring winches.
- Designed a new partition spacer for the Hawboldt mooring winches.
- Made new fire and safety plans for *Sally Ride*.
- Created a new testing procedure for *Sally Ride's* trawl OHS.
- Designed new instrument mounts for *Sally Ride's* new MET mast.
- Designed a new hoist mount for *Roger Revelle's* a-frame.
- Conducted acceptance testing of winches for *Atlantic Explorer and the* WCWP.
- Conducted acceptance testing of a spooling machine for the UNOLS wire pool

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https://scripps.ucsd.edu/ships/west-coast-winch-pool