

SOSI

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LAUNCH AND RECOVERY SYSTEMS » for Towed Bodies


SOSI has designed and built Launch And Recovery Systems (LARS) used for the deployment and retrieval of remotely operated vehicles (ROVs), towed bodies, oceanographic instrumentation, autonomous underwater vehicles (AUVs) and other payloads since 1984. These systems are used around the globe for launch and recovery missions by academic institutions, commercial survey companies and the US Navy for high-resolution seafloor mapping operations and other functions.

Our proven LARS systems, for example, the Model LRS 162, were originally designed for handling AUV's like the Navy's SeaMARC-12, SeaMARC-50 and SYS-09 Swath Bathymetric Survey Systems—but may be scaled and modified to suit a variety of system requirements for our clients.

Our unique, proven launch and recovery systems can increase your operational efficiency and decrease your costs by minimizing the weather's effect on your schedule and reducing crew sizes. We design all of our deck equipment for ease-of-use and safe handling of subsea equipment in the harshest environmental conditions. Our systems have an exemplary track record for safe and efficient operation in high sea states and are designed for safe operation by one crew member using a portable "belly pack."

SOSI systems are generally custom built and engineered to the specific requirements of our clients AUV or towed system. Our LARS systems are engineered for ships of opportunity with an emphasis on ease of transportation and installation. Systems are built with ISO corner castings for easy installation and transportation using standard ISO equipment. Combined with our quality steel construction and epoxy finishes—SOSI LARS are guaranteed to ensure reliable operation that you can depend on.

Thank you for reviewing the Launch And Recovery Systems. Please contact our helpful technical staff if you require assistance with this product. Our team of skilled engineers, designers and trained technicians are ready to assist you with product modifications and solutions to meet your most demanding requirements.

Be it an existing product or a customized package—our mission is to offer innovative engineering, design and quality manufacturing for our diverse and growing global customer base. Take action and make waves with SOSI today! 



Technical Specifications

- Overall length 20 ft.
- Overall width 8 ft.
- Overall height 8 ft.
- Weight 20,000 lb.
- Electrical 60 hp, 460 VAC, 3 Phase
- Hydraulic 33 gpm, 3,200 psi
- Lift capacity 5,800 lb.
- Maximum sea state 5
- Maximum freeboard 15 ft.
- Sliding Bed:
 - Towfish length 211.5 in.
 - Towfish width 48 in.
 - Towfish height 34 in.
- Umbilical winch:
 - Drum capacity 150 ft.
 - Line pull 8,000 lb
 - Line speed 150 fpm
 - Tilt frame angle 0 to 75 degrees



Standard Features

- Hydraulic Drives
- Integral Hydraulic Brakes
- Proportional Remote Control Valves
- Remote Hydraulic Power Pack
- Load Sensing Hydraulic System
- ISO Footprint with Casting

Options

- Remote Belly Pack
- Stainless Steel Quick Disconnects
- Stainless Steel Hose End Fittings
- Accommodates Sea MARC-12 Towfish
- Accommodates SOSI Depressor
- Narrow Footprint (Optional)

*Specifications subject to change