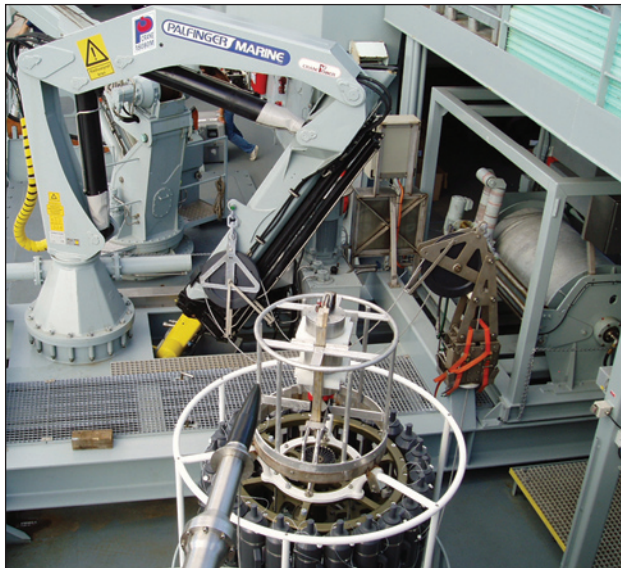


# 20' Skid Integrated LARS



## Description

Combined winch and overboard system with standard 20' container footprint. The MASH 5000/10-17 kN oceanographic winch is used extensively in connection with side scan sonars, ROV/ROTV systems and towed oceanographic systems.

Features includes an incorporated protection frame, direct drive level wind, variable speed, fail safe brake, built in motor controller and IP56 protection of electrical parts.

## Features and benefits

- Highly compact integrated system with standard 20' container interface
- Torque controlled winch operation during manouvering of the crane eliminating the need for simultaneous operation of winch and crane
- Latch System integrated in crane, ensures safe operation during recovery.
- Standard product from well experienced marine crane manufacturer ensures trouble free operation.
- Local control placed on the winch
- Level wind with mechanical interface to the drum
- Prepared for mounting of a Focal electrical/fibre optical slip ring
- Built on electric power unit
- Long proven track record

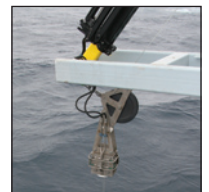
## Applications

- Oceanographic systems and small ROV systems
- Side scan sonars
- ROTV systems
- Mid water ROV systems
- Oceanographic sensor packages
- Wellhead TV systems

## System options

- Certification of lifting points according to International Labour Organisation (ILO 152) for lifting from quay to ship
- Certification of lifting points according to DnV (2.7.1) rules for offshore lifts
- Full certification of the winch system according to DnV's "Rules for Certification of Lifting Appliance 1994" or equivalent
- Eexd zone II application
- Remote control for deck use or positioned in control container rack
- Manual fine adjustment of level wind
- Cooling of umbilical and hydraulic system for operation in hot areas
- Sacrificial sea-fastening brackets
- Cable status indicator showing deployment length and speed

These are just examples of the options available



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