

# MERMAC U

## Multi-purpose underwater winch



The MERMAC U underwater winch system is available with several purpose-built features and options, making it ideal for use in the ocean science and defence industries.

The MERMAC U incorporates advanced technology and builds on decades of MacArtney's extensive winch design, manufacturing experience, and know-how. The result is an innovative system solution with a robust design, fully equipped to meet subsea challenges.

Manufactured as standard from stainless steel, purposefully selected for underwater use, the MERMAC U provides a low-complexity system that utilises industry-standard components and encapsulated motors.

Designed to operate in harsh underwater marine environments, the winch can be equipped with steel-armoured and PUR-jacketed cables.

Rated for deployment at depths of up to 750 metres, the MERMAC U features an intelligent control system that enables flexible operation for measuring and monitoring. It can launch and retrieve a wide range of underwater sensor packages at programmed intervals and predefined depths.

Extended service inspections are available as part of the support offering.

### Features and benefits

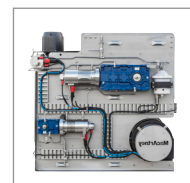
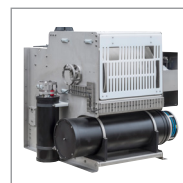
- Compact
- Simple installation
- Adjustment and maintenance simplicity
- Low complexity
- Multiple cable layers
- Surface-piercing capability

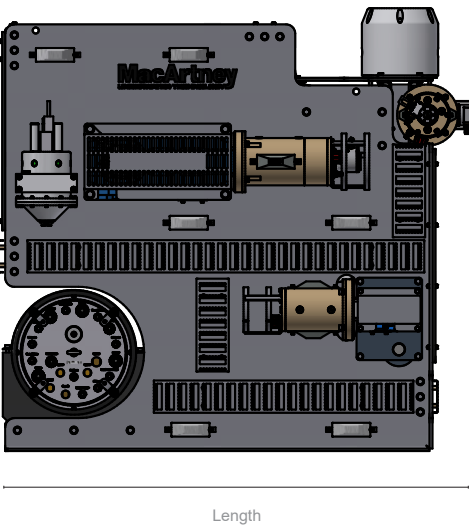
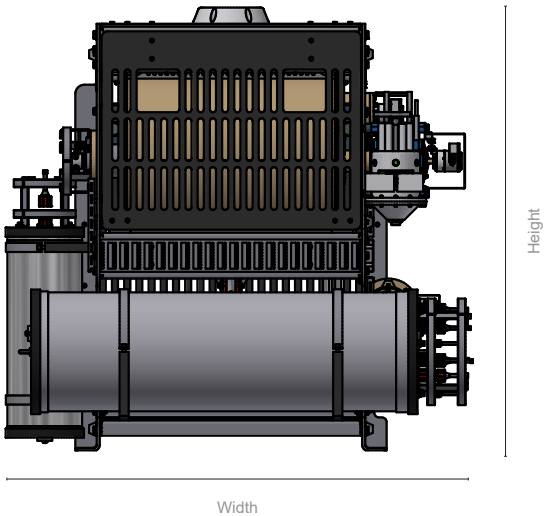
### Applications

- Climate change studies
- Environmental monitoring
- Surveillance/survey systems
- Online calibration of diver detection systems

### Options

- Wide range of materials
- Protective cage
- Data package with malfunction/anomaly alert
- Skid mount for fixed winch positioning
- Integration with deep-sea observatories





Specifications

	Winch dimensions (width/length/height)	Cable OD	Cable capacity	Winch weight (in air)	Max pull	Speed (layer 1)	Power supply
model	mm	mm	m	kg	kg	m/min	VDC
MERMAC U	1550/1550/1460	12	750	1300	300	15	560

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