



olympic arm

Subsea strength and precision.

nauticus robotics

GREEN ROBOTICS FOR A BLUE ECONOMY

[NAUSICUSROBOTICS.COM](https://www.nauticusrobotics.com)

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Specifications

nauticus | olympic arm
robotics



Raising the bar for subsea manipulators.

✓ POWERFUL AND SMART

Olympic Arm has the strength to lift heavy items along with the brains to work on its own. Right out of the factory, it supports automation. Through our cloud storefront, you'll be able to download new modules and keep it updated well into the future.

✓ TOTALLY ELECTRIC

Without a hydraulic part in sight, Olympic Arm is still one of the strongest manipulators on the market. And because it's fully powered by electricity, it's also one of the greenest.

✓ ENGINEERED FOR SAFETY

Olympic Arm handles subsea lifting tasks that would otherwise be attempted by human divers — instantly improving job site safety. It also comes standard with our Azimov onboard safety system, ensuring safe operation near people and assets.

SPECIFICATIONS TABLE

Reach:	1850 millimeters (73 inches)
Control Type:	Position and Cartesian controlled
Degrees of Freedom:	7
Materials:	Anodized aluminum and stainless steel

ARM SPECIFICATIONS:

Depth:	4000 meters
Weight (In Air):	100 kilograms (220 pounds)
Weight (In Water):	75 kilograms (165 pounds)
Maximum Lift:	300 kilograms (661 pounds)
Peak Grip Force:	4092 Newtons
Peak Wrist Torque:	170 Newton meters
Peak Wrist Speed:	50 rotations per minute

VOLTAGE REQUIREMENTS:

Input Voltage Range:	110 to 480 Volts alternating current (AC) 70 to 90 Volts of direct current (DC)
Minimum Peak Power Required:	2000 Watts

JOINT RANGE OF MOTION:

Azimuth, Rotary:	270 degrees
Shoulder Pitch, Linear:	135 degrees
Elbow Pitch, Linear:	135 degrees
Elbow Roll, Rotary:	328 degrees
Wrist Yaw, Rotary:	180 degrees
Wrist Rotate, Rotary:	Infinite

CAMERA:

SD Tool Camera with Integrated LEDs:	Imenco OE14-376 Light Ring Color Camera
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END EFFECTOR TOOLING:

Currently Available:	• Four-finger gripper • 4-inch parallel jaws
Alternative Options:	Other tooling options available upon request