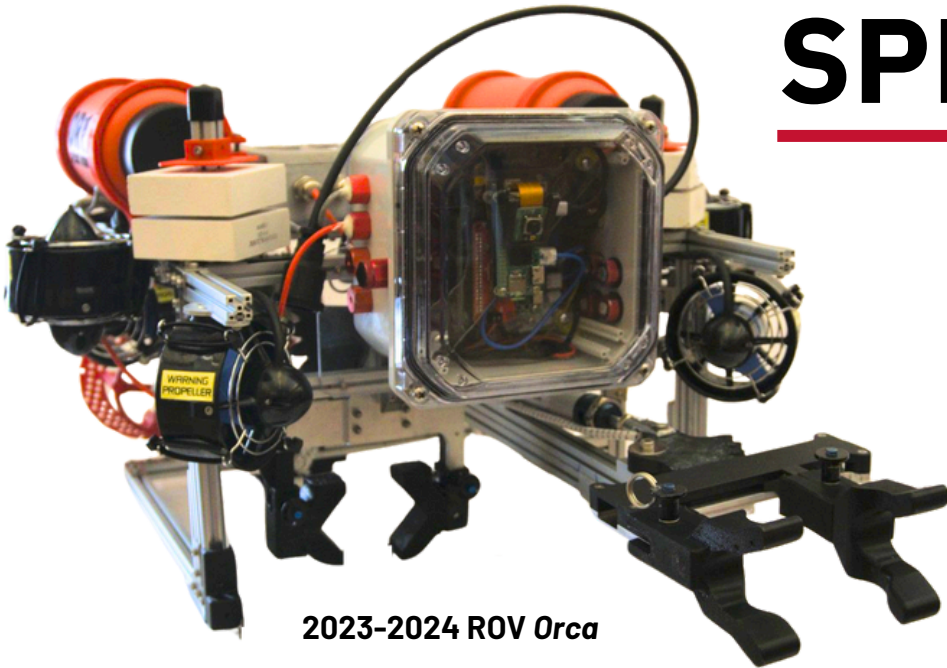


2023-2024

# SPEC SHEET

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## ROVOTICS



2023-2024 ROV Orca

### ROVOTICS Company Info

Jesuit High School Robotics  
Carmichael, CA USA  
Returning Team: 18 Time MATE  
Competition Participants  
Traveled: 4033 KM  
Website: [jesuitrobotics.com](http://jesuitrobotics.com)



### Special Features

#### ROS2 Architecture

A modular open source library made for robotics.



#### Modular Frame

Allows for addition and iteration in a fast and consistent manner



#### GO-BGC Float

Collects important data at various ocean depths



### Safety Features

#### Safety Sensing

Advanced internal sensors allowing for leak detection.



#### One Click Power Off

Easy shutdown to ensure deck crew and ROV safety



#### Advanced TCU

Access to ROV thrusters and sensors with a easy-to-use interface



### Team Members

#### Mechanical:

- '24 Alex Bertran, Integration Lead, COO
- '25 Ethan Bullard
- '25 Mark Weeden
- '26 Caden Kroettinger, Lead
- '27 Luke Gatlin\*

#### Electrical:

- '24 Jonah Reynolds, Lead
- '24 Nathan Peterson
- '25 Charlie Kim
- '25 Koen Miyashiro
- '27 Grant Munoz\*

#### Software:

- '24 James Randall, Lead, CEO
- '24 Adon Sharp, CFO
- '26 Harry O'Hagin
- '26 Jack Frings\*
- '27 Drew Eandi\*
- '27 Ian Kim\*

#### Safety and Compliance:

- '26 Declan Cooley, Safety Officer

#### COACHES AND MENTORS

- Jay Isaacs
- Cheryl Kiyama
- Steve Kiyama
- Michael Sharp
- Kevin Miyashiro

\*New Members

### ROV Quick Specs

Length..... 70 cm  
Width..... 60 cm  
Height..... 72 cm  
Weight..... 13.6 kg  
Total Cost..... \$7,288.18  
Design & Build..... 5400 hours  
ROV Name..... Orca



Figure 1. ROVOTICS Team Members  
See right for member names

