

2024 - 2025

SPEC SHEET

ROVOTICS



2025 ROV Marlin



2025 Float GO-POD

ROBOTICS Company Info
Jesuit High School Robotics
Carmichael, CA, USA
MATE Participation: 19
Competitions
Traveled: 3,198 km
Website: jesuitrobotics.com



ROV Quick Specs

Length.....77 cm
Width.....60 cm
Height.....41 cm
Weight.....13.6 kg
Total Cost.....\$7,338.32
Design & Build.....5,455 hours
ROV Name.....Marlin

Safety Features



Safety Sensing

Advanced internal sensors allowing for leak detection



One Click Power-Off

Easy shutoff to ensure deck crew and ROV safety



Advanced TCU

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

Team Members

Mechanical:

'25 Ethan Bullard, CEO
'25 Mark Weeden
'26 Caden Kroettinger, Lead
'27 Luke Gatlin
'28 Logan Larsson*
'28 Rian Subakti*
'28 Oscar Pereira*

Electrical:

'25 Charlie Kim
'25 Koen Miyashiro
'26 Harry O'Hagin, Lead
'27 Grant Munoz

Software:

'26 Jack Frings, Lead
'27 Ian Kim
'28 David Janssen*
'28 Jonah Meyer*

Safety and Compliance:

'26 Declan Cooley, Safety Officer

Photography:

'28 Diego Ruano*

Coaches and Mentors:

Jay Isaacs
Cheryl Kiyama
Steve Kiyama
Michael Sharp

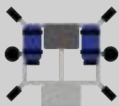
*New Members

Special Features



Photosphere SW

A group of cameras capturing a 360° image of the environment.



Yaw Lock SW

Locking of the Z-axis to facilitate piloting maneuvers



GO-POD

Collects important data at various ocean depths



Figure 1. ROVOTICS Team Members
See right for member names and roles