

ROVOTICS Spec Sheet

2025-2026

Jesuit High School
Carmichael, CA, USA
Company ID: 0247A



2025-26
Float
Triton

Robotics Company Info

Size of Company: 14 people + 4 coaches
Past MATE Participation: 20 Competitions
Traveled: 5337 km
Website: jesuitrobotics.com



ROVOTICS Team Members

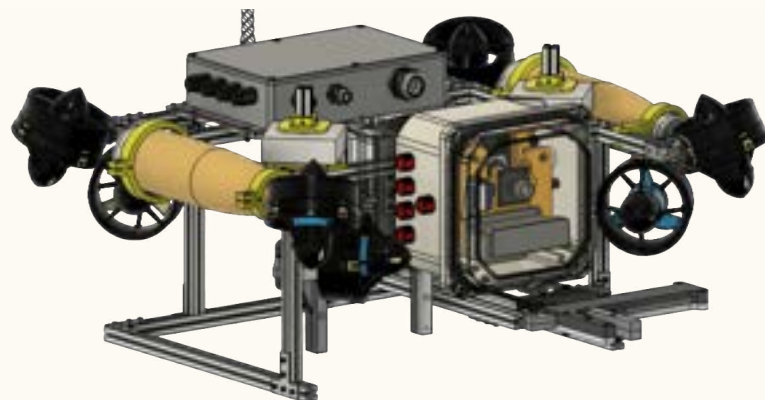
Mechanical:

'26 Declan Cooley, CEO
'26 Caden Kroettinger, Lead
'27 Luke Gatlin
'27 Grant Muñoz
'28 Logan Larsson
'28 Rian Subakti
'29 Ishan Goteti *New
'29 Alexander Le *New

Electrical:

'26 Harry O'Hagin, Lead
'28 Oscar Pereira

Software:
'26 Jack Frings, Lead
'27 Ian Kim
'28 David Janssen
'28 Jonah Mayer, Safety Ofc.



2025-26 ROV Hydra

ROV Quick Specs

ROV Name..... Hydra
Length..... 77 cm
Width..... 60 cm
Height..... 41 cm
Weight..... 13.6 kg
Total Cost..... \$10,567.40
Design & Build..... 5600 hours

Safety Features



Safety Sensing

Advanced internal sensors for leak detection.



One Click Power-Off

Quick power cutoff to ensure deck crew and ROV safety.



Current Limiting

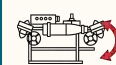
Active current management to protect sensitive electronic components.

Special Features



Stereovision

Dual Camera imaging technique used for measuring depth and creating 3d models.



Pitch Control

Eight thruster configuration enables pilots to tilt up and down.



Magnetic Motor

Waterproof magnetically coupled motor used for precise rotation.