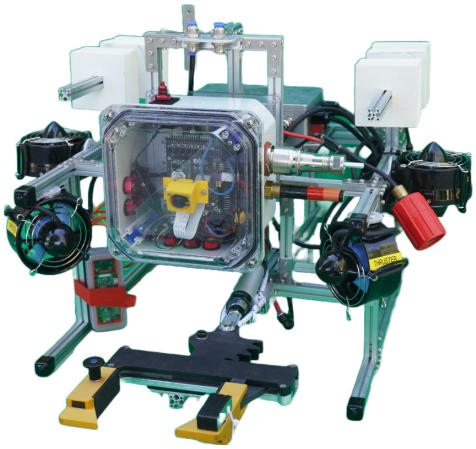
ROVOTICS

JESUIT HIGH SCHOOL



SPEC SHEET MANATEE

JESUIT ROBOTICS MATE 2022

Explorer Class

Special Features

Digital Cameras
High quality low latency video feed for clear operation.

ROS Architecture
Modular and reliable Robot Operating System.

Modular Frame & Buoyancy
Manatee can quickly adapt to any operation situation.

Vampire Squid
GO-BGC Float collects data at varying ocean depths.

Safety Features

Safety Sensing
Multiple internal environmental sensors help prevent leaks.

One Click On And Off
Ensure Deck Crew safety with easy shutdown of ROV

Advanced TCU
Access voltage, ROV status, and other data easily and safely

Rovotics Company Info

Jesuit High School Robotics
Carmichael, CA USA

Returning Team and 14 Time MATE Competition Participants

Distance Traveled: 673 km

Website: jesuitrobotics.com

ROV Quick Specs

Dimensions:
Length....53 cm
Width.....60 cm
Height.....45 cm

Weight.....13.8 kg

Total Cost....$5,813.05

Design & Build....3,850 hours

Jesuit Robotics Team Members (see right column for member names and roles)

Team Members

Freshmen:
'25 Mark Weden*, Mechanical
'25 Ethan Bullard*, Mechanical
'25 Douglas Crone*, Electronics

Sophomores:
'24 James Randall, Software
'24 Jonah Reynolds, Safety Officer
'24 Adon Sharp, Software
'24 Alex Bertran*, Software
'24 Nathan Peterson*, Software

Juniors:
'23 Daniel Kriefels, Mechanical
'23 Timothy Monroe, Mechanical
'23 Michael Solis, Electronics

Seniors:
'22 Charlie Diaz, CEO
'22 Nick Venegas, Electronics
'22 Taylor Vicente, CO (Compliance Officer)

*New Members

COACHES
Jay Isaacs
Cheryl Kiyama
Steve Kiyama
Marcus Grindstaff
Michael Sharp
Andrew Grindstaff

Manatee was created by a team of community focused students to undertake the UN Sustainable Development goals and achieve progress throughout the Decade of Ocean Science for Sustainable Development.