ROVOTICS
JESUIT HIGH SCHOOL ROBOTICS

NAUTILUS

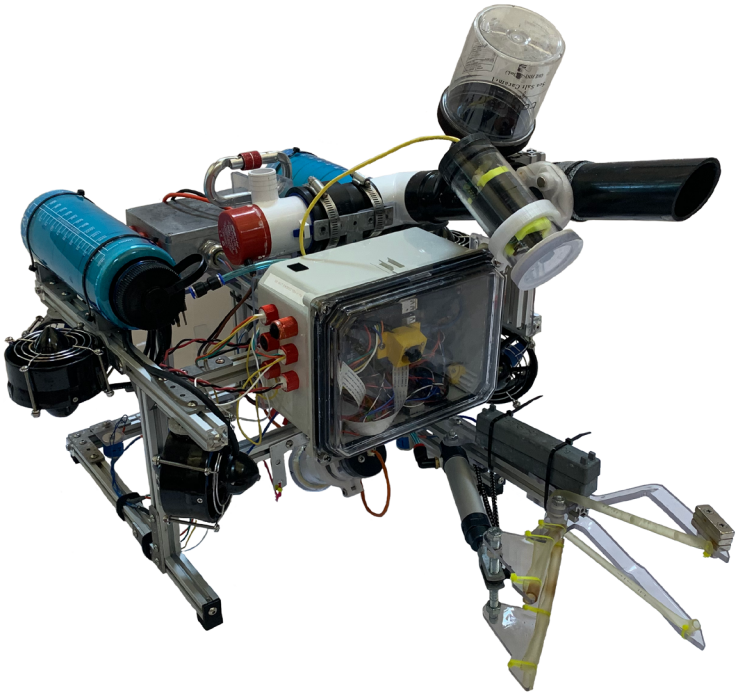
JESUIT ROBOTICS

MODULAR FRAME & BUOYANCY

Adjustable Buoyancy and beam frame for easy configuration and adaptation

DETACHABLE Mini ROV

Detachable Sample Collector "Axolotl" to reach small spaces



SPEC SHEET 2021

ROS ARCHITECTURE

Modular Reliable Robot Operating System

DIGITAL CAMERA SYSTEM

High quality low latency video feed keeps operaters updated and aware

SAFETY FEATURES

ADVANCED TCU

Access Voltage, ROV Status, and Other Data Easily and Safely

SHEATHED TETHER

Protects the ROV Power, Pneumatics, and Communications Lines

ONE CLICK ON AND OFF

Ensure Deck Crew Safety With Easy Shutdown of ROV

FACTS & FIGURES

DIMENSIONS
Length.....50 cm
Width.....60 cm
Height.....37 cm

WEIGHT.....18.5 kg

TOTAL COST.....$4,465.66

DESIGN & BUILD.....3,850 Hours

RETURNING TEAM..... 14 Time MATE Competition Participants

TEAM MEMBERS

Freshmen
'24 Dylan Olsen*, Software
'24 James Randall*, Electronics
'24 Jonah Reynolds*, Safety Officer
'24 Adon Sharp*, Software

Sophomores
'23 Daniel Kriefels*, Software
'23 Timothy Monroe, Mechanical
'23 Michael Solis, Mechanical

Juniors
'22 Charlie Diaz, CEO
'22 Nick Venegas, Electronics
'22 Taylor Vicente, COO

Seniors
'21 Alden Parker, Software
'21 Andrew Grindstaff, Software
'21 Luke Rosellini, Mechanical
'21 Joe Watanabe, Mechanical

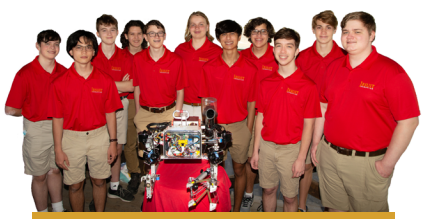
*New Members

Head Coach: Jay Isaacs
Assistant: Steve Kiyama
Cheryl Kiyama
Marcus Grindstaff
Michael Sharp

COMPANY INFORMATION

Designed and manufactured by ROVOTICS
JESUIT HIGH SCHOOL ROBOTICS
Carmichael, California, USA

DISTANCE TRAVELED: 3,434 km



Team Members gather around Nautilus
(See list of names and roles to the right)

Nautilus
JESUIT ROBOTICS