



# Mana Robotics

Kamuela, Hawai'i, United States

Hawaii Preparatory Academy

First Year MATE Competitor

4500 Miles Traveled

## ROV Information

Name: Ka Ulua

Cost: \$5,526.45

Size: 450mm (L) × 505mm (W) × 300mm (H)

Weight: 10.8 kg

~2,100 Student Hours

## Safety Features

IP2X-Compliant Thruster Guards

Vacuum-Tested Enclosure

Leak Detection System with Topside Integration

Topside Emergency Kill Switch

Strain Relief System

## Special Features

6-DoF Movement System

Interleaving Pneumatic Claw

Controller-Based Pilot Interface

Industry Standard Control Software



## Company Members

Team Members (From Top Left, Clockwise)

Conor Cavens (11th) – CEO, Founder

Gavin Rhodes (11th) – COO, Prototype Designer

Rosalisha Barrett (11th) – CFO, Frame Engineer

Fred Collins (12th) – Network Systems Manager

Finlay Mulcahy (10th) – Electrical Engineer

Robert Macintosh (10th) – Manipulator Engineer

Carson Hoover (10th) – Buoyancy Technician

Dylan Vincent (11th) – Buoyancy Technician



Mana Robotics Engineers