

Sleepy Fishy 2.0

Miramar Water Jets

ROV Specs



Name: Sleepy Fishy 2.0



Total Cost: \$2449.40
(Including last year's costs)

Hours:

301

Weight:

3.95 kg



Size:

51.4 x 38.3 x 31.1 (cm)

Special Features:

- 3D printed vectored frame is both lightweight but waterproof
- Rotatable claws that allow for easier object manipulation
- Dual camera setup for piloting and photogrammetry

Safety Features:

- Control board equipped with fuses to protect from overload
- Strain relief system to prevent wire snag
- Thrusters have IP-20 standard 3D printed shrouds/guards
- Pneumatic system has shut off valve and regulator
- No sharp edges or protrusions on ROV frame to prevent potential injury during handling

Company Specs



Company Member

Role(s)

Nathan Obermiller	CEO, ROV
Alison Kang	COO, Water Sampler, ROV
Teagan Darling	Software Team, Filming
Rashad Hassan	Pilot, Filming
Carol Braga	Float Team
Aadarsh Devi	Software Lead, Troubleshooting
Britney Ton	Soldering, Filming
Minh Le	CAD
Alexandra Steiner	Electrical Lead
Agustin Romero	Float Team
Jasmin Pyo	Team Scientist
Cao Minh Tri Tran	Water Sampler
Gina Bochicchio	Mentor

Mate ROV Competition History:
Second Year

Distance Traveled:
3073.47 km

College Levels Represented: First-Year to Third-Year Students