



PREDATOR

Total Cost - \$7485

Materials - Aluminum, Polycarbonate, Composites

Dimensions - 81 cm x 51 cm x 51 cm

Weight - 28.12 kg

Origin - Carmichael, California

Safety Features -

Circuit breakers

Tether strain relief

High visibility

Special Features -

Vector Thrust

Sliding can allows easy accessibility to electronics

Distance Traveled - 2484 miles/ 3998 kilometers

Summary - Predator is a work class ROV produced to explore and retrieve artifacts from sunken shipwrecks. The modular aluminum frame provides easy mounting and servicing of accessories. Predator utilizes its vector thrust control for maximized mobility as well as its panning camera system for 180 degree visibility, making this ROV optimized for mission performance.



CADD rendering of Predator

Members (new members denoted by *)

Seniors

Amirali Akhavi (Electronics)

Charles Fries (Programmer)

Ty Honnold (Engineer)

Nolan Schneider (Engineer)

Nick Sopwith (Head of Electronics)

Juniors

Alex Aprea (CEO)

Jared Borg (CNC Operator)

Wyatt Guidry (Engineer)

Ryan Kenneally (Engineer)

Matt Woolgar (Head of Build)

Sophomores

Ben Byers (Electronics)

Shea Horan (Lathe Operator)

Collin Meissner (CADD)

Killian Randle (CADD)

Riley Unter (Engineer)

Freshman

Carson Black (Graphic Design)*

Jake Honnold (Writer)*

Matt Kiyama (Engineer)*

Sam Kreifels (Engineer)*

Cassidy Nguyen (Electronics)*

Rolf Konstad (Head Coach)

Jay Isaacs (Senior Assistant Coach)



Rovotics 2014