Spec Sheet

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- Four cameras
- Four manipulators
  - Dual-action gripper
  - Stationary gripper
  - Tent pin hook
  - UV light funnel system
- Vertical boost
- Variable ballast
- Vectored thrusters

Redfin CAD

- 25 amp fuse on ROV
- Voltage regulators
- Motor shrouds
- Caution tape on shrouds
- Thruster guards
- SOS leak sensors
- Kill switch
- Tether strain reliefs
- Waterproofing as needed
- 7.5 amp fuse on profiler

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EMPLOYEES

CEO: Adithya Selvakumar, JSO ‘23
Coach: Ms. Maureen Barrett

Electrical Engineers:
- Akshya Amarnath, Senior EE ‘25
- Shubh Kapadia, Pilot ‘27
- Matthew Pugh, CMO ‘25
- Kristin You ‘26

Software Engineers:
- Alex Tornese, Senior SE ‘25
- Noah Hyun ‘25
- Anirud Sriram ‘27

Mechanical Engineers:
- Adam Freedman, Senior ME ‘25
- Shreeya Soma, CFO ‘25
- Vivaan Talreja ‘27
- John Shenouda ‘25

Italicized members are new to MATE.

ROV Weight | ROV Dimensions | Final Cost | Total Student Hours | Distance to Longmont, Colorado
---|---|---|---|---
4.5 kilograms | L: 77 cm W: 57cm H: 31cm | $5,190 | 3100 | 1,759 miles

Our tagline: “‘Rizon to the challenge!”

Pictured Left to Right

Back row: Shreeya, John, Alex, Matthew, Adam, Noah
Front row: Vivaan, Kristin, Akshya, Adi, Shubh, Anirud

Photo Credit: M. Pugh
Design and Photo Credit: A. Freedman

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