

HEPHAESTUS ROBOTICS

COMPANY SPEC SHEET

TEAM BACKGROUND



Top Row (L to R): Ben Hillard, Max Herrera, Andrew Sylvester, Om Shastri, Xander Coomes **Bottom Row (L to R):** Ojas Shastri, Bennet Menzer, Kai Herbst, Salvador Turkie, Max Chen, Sammy Lambert. **Not Pictured:** Anderson Bibbey.
Photo Credit: Tim Madsen

Company Name:

Hephaestus Robotics

Organization Name: X-Academy

Location: Santa Cruz, CA USA

Distance traveled to Competition:
28 km

History : Third year competing in MATE. Team first competed in the 2020-21 season and placed 7th in the Telepresence Category at the World Championship. Competed the next year in the 2021-22 season and placed third regionally.

Grades and Schools Represented:

9th-12th grade, 5 schools - Kirby, Pacific Collegiate, Los Gatos High School, Cieba, Santa Cruz High

TALOS III SPECIFICATIONS

ROV Name: Talos III

Total Cost: \$5,591

Weight: 14.3kg

Dimensions (LxWxH): 61 cm x 56 cm x 41 cm

Tether Length: 15m

Student Hours: 800 hr

Safety Features:

Strain relief, neat wiring, 3D printed shrouds on both sides of thrusters, 25A fuses, watertight compartments, valves for pressure testing, labels.

Special Features

3D depth sensing camera, custom PCB, on-board Ethernet switch, two on-board Raspberry Pi computers video & control signals over IP network.



Photo Credit: Kai Herbst



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