

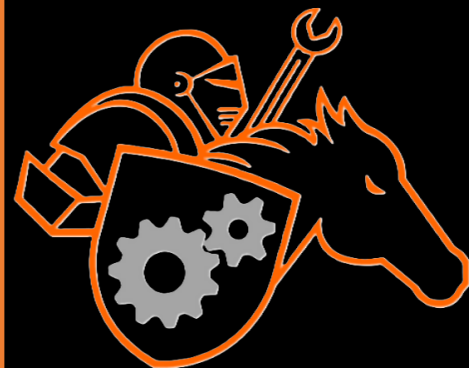
Brother Rice Robotics

“Battling for a Bluer Tomorrow”

10001, S. Pulaski Ave, Chicago, IL, USA



SPEC SHEET



High Res Camera System

2 LED cameras devoted to claw work and 1 infrared navigation camera that can “periscope” and has built in temp and depth sensors

Rotating 10cm claw gripper

The “Swiss Army Knife” of grippers, it can rotate 90 degrees, hook, grasp, push and pull and is the anchor point for multiple specialized tools



Chariot Cart System

Easy and safe transport as well as lightning quick setup and tear down

Crew Members

Alex Kmak	'25	CEO
Oscar Roa	'25	Assistant CEO
Max Griffin	'26	Elec./Code
Vince Walker	'26	Mechanical
Dominic Lanuti	'26	Asst. Electric
Nate Sears	'26	Fabricator
Dom McCann	'27	Fabricator
Eddie Garcia*	'26	Fabricator
Kim Victoria*	'27	Apprentice
Derek Van Dyke		Club Mentor

* Denotes New Crew Member

Weight	Size (cm)	Cost (US)	Hours	Travel
9.5kg	53L x 46W x 46H	\$3624	1650	665km

*MATE Competitors since 2014 (11 years)

TIGERSHARK

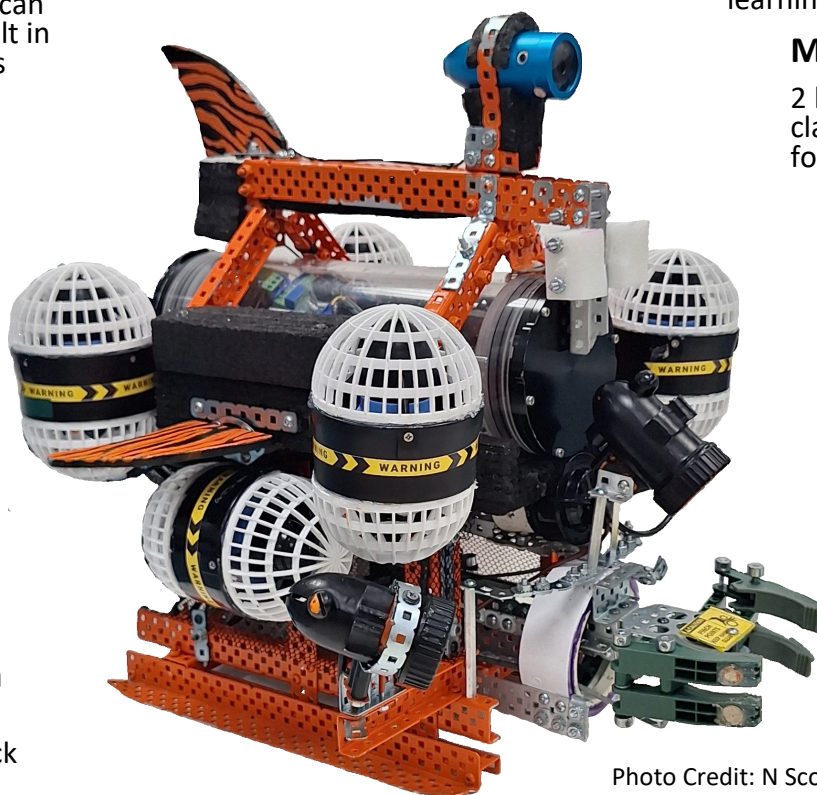


Photo Credit: N Scott

Tank Style Control

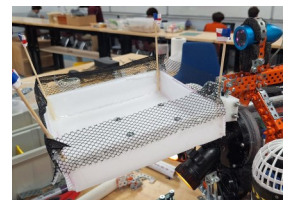
Precision movements, more intuitive control and a shorter pilot learning curve

Multiple Monitors

2 large monitors for precision claw work and 1 small monitor for navigation

Specialty Tools

Wildlife capture cradle and E-DNA Syringe tools attach quickly and securely to the ROV



Safety Features

Chariot Cart System—Low strain transport, neatly organized, simple setup
Warning Labels — Clearly identify danger areas
High Visibility Color Scheme—Ideal for joint/multi ROV missions
Thruster guards—IP20 rated and dome shape protect marine life
Tether—Mesh sheath & strain relief prevent damage and tripping
25amp fuse—Protects vital components from amperage overload
Wiring discipline—No bare wiring and organized wiring pathways



*6 trips to MATE ROV World Championships