



## Company Profile

**Location:** Macau SAR, China

**Established in** 2012

**History of MATE ROV participation:**

2012~2016

**Travelled for** 13517.2km to Houston

**Range of grade level:** Grade 8~12

## ROV information

**Name:** Trident

**Dimensions:** 31cm wide by 31cm long  
by 35cm tall

**Weight:** 13.3kg

**Cost:** USD 4455.68 (**New: \$698.63**  
Reused: \$3,757.05)

**Materials Used in Construction:**

VEX aluminum bars, acrylic, carbon fiber

**Total Hours to Design and Build:**

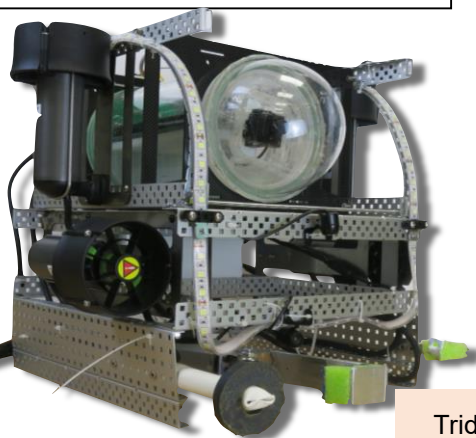
216 hours

**Special Features:**

- ✓ Triple-layered frame
- ✓ Two control housings (video system and control system)
- ✓ Printed Circuit Board implemented
- ✓ Interchangeable grippers of manipulator and tools

**Safety Features:**

- ✓ 25A fuse
- ✓ Main power on/off switch



Trident

## Staff Information

Mechanical Engineer	Simon Lo	CEO, Grade 11
	Anthony Mak	CFO, Grade 12
	Daniel Lau	Grade 11
	Dom Chan	Grade 10
	Miffy Chan(*)	Grade 9
	Lydia Lo(*)	Grade 9
	Nicole Lam(*)	Grade 9
	Jeffrey Cheung(*)	Grade 9
	Sean Lao(*)	Grade 8
	Jacky Wong(*)	Grade 8
Electronic Engineer	Nicky Chan	CTO, Grade 12
	Edward Lou(*)	Grade 11
	Chris Chin(*)	Grade 9
	Kevin Lam(*)	Grade 9
Programmer	Kenny Ho	Grade 11
	Tom Lee	Grade 11
	Thomas Leong	Grade 10
Public Relation	Kathy Cheang	Grade 11
	Sally Loi	Grade 11
	Casey Kou(*)	Grade 9
	Charlootee Lao(*)	Grade 8

New members denoted by \*



Left to Right, Top to bottom:

Thomas, Simon, Daniel, Dom, Anthony, Jeffery,

Tom, Edward, Kenny, Nicky, Chris, Kevin

Kathy, Sally, Miffy, Lydia, Nicole, Casey, Charlotte