



HONG KONG

CMA SECONDARY SCHOOL

CMA UNDERWATER EXPERT LTD.

8-Year MATE International ROV Competition Participant
8-Year Ranger Class Competitor



SPECIFICATION WORKSHEET



Overview of Iota

ROV SPECS

ROV Name

Iota

Primary Construction Material(s)

High Density Polyethylene (HDPE)

Dimensions

420mm (L) x 520mm (W) x 430mm (H)

Total Weight

11.3kg

Total Cost

USD 12,447.16c

Company Members



Hours spent on designing & building



Distance From Hong Kong to Johnson City, Tennessee, US



SAFETY FEATURES

- No sharp edges
- Hazard warning stickers labeled on all moving parts
- A 25 Amp in-line fuse placed in electrical system
- Voltmeter, ammeter and emergency stop button installed in Electrical Distribution Control Panel
- Tether is covered for protection
- A 7.5 Amp fuse for Micro-ROV
- All propellers meted IP-20 standards

SPECIAL FEATURES

- Mission-oriented with two manipulators
- Quickly detachable mechanism
- Interchangeable subframe for task completion

OUR CREW

NAME	TITLE	GRADE	HISTORY
Samuel HUI	CEO, Mechanical Engineer	Grade 11	Returning
Terry AU	Secretary, Electrical Engineer, Technical Writer	Grade 10	Returning
Candy LEE	CFO, Marketing Executive	Grade 10	New
Jacky MA	Mechanical Engineer, Troubleshooter	Grade 11	Returning



CMA Underwater Expert Ltd. Team photo