



Zhicheng Underwater Robot Technology Co., Ltd



北京市第三十五中学
BEIJING NO.35 HIGH SCHOOL

The basic data

Robot name: Zhicheng ROV

Total cost: 1680 yuan

Weight: 4 kg

Total design and manufacturing time: about 105 hours

Safety features:

- All conductors are waterproof so that they do not leak;
- The motor is protected against accidents.
- With screw instead of hot melt glue fixed, reduce weight and stable.

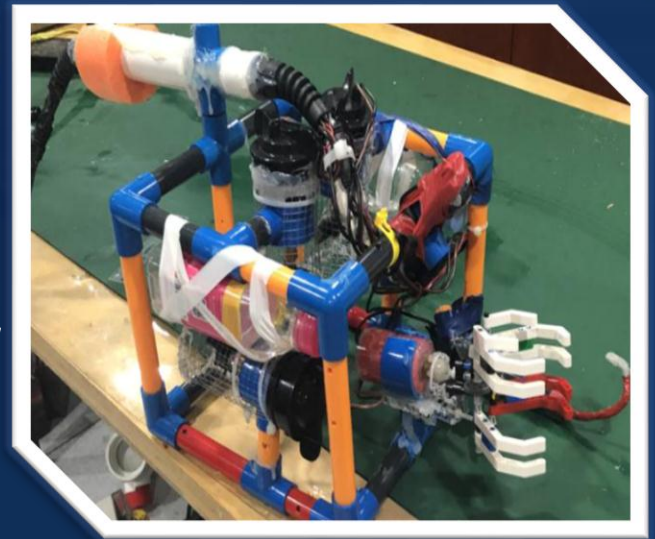
Special functions:

- A. The combination of mechanical claw and hook grabs underwater objects with comprehensive functions.
- B. Use electric rods as searchlights to increase underwater brightness.
- C. Vision is divided into front view and back view. The small light beside the camera is used for close-up detection.
- D. Make wheels and universal wheels with used Lego parts to make the machine move more stably.
- E. Use of second-hand materials

Team members:

- ❖ Yuanjia Zhang CEO/mechanical engineer
- ❖ Enze Lu CTO/Software Engineer
- ❖ Tianyang Zheng Mechanical engineer
- ❖ Shaotong Yin Mechanical engineer
- ❖ Xi Chen CFO/Manager
- ❖ Andu Sun Software Engineer
- ❖ Jianxiong Xiao Mechanical Engineer
- ❖ Yunqi Zhai Manager

Product figure



The module details



Participating Companies:

Zhicheng Underwater Robot Technology Co., Ltd

School:

Beijing No.35 High School

Country/Region: Beijing, China