

VERSION 7

ASIA
CHAMPIONSHIP

To make sure our Robot more competitive in the upcoming competition, we made several changes:

3/1 Chassis

Regarding the chassis, we find that our Robot is too heavy, resulting the lower speed.

Solution: [Group Discussions]

- ① Solution 1 Keep the chassis unchanged, using an 84T gear to drive a 48T gear, and mounting the 2 middle motors vertically.

This allows the Robot to achieve a speed of up to 342 RPM, and provides enough space for the intake mechanism.

Trough testing in the East China and the following competition, we find that the chassis can still perform rapid defense, and compete effectively against other Robot when the Robot weighs around 7.5 kg.

- ② Solution 2 Tilt the two middle motors of the chassis to provide a more stable C-level elevation. However, we later discovered that tilting the motor

project V7. chassis

designed by: Joker

witnessed by: Kevin

date: 1.3