

27/6

Version 1 Launching Design

During this season, each season has an offensive zone. The most important way to score — transport the Triball to the opponent offensive zone. & push the Triball into the Goal (2 points & 5 points) Based on this, we have had a discussion: If the Robot transport the Triball one by one, the efficiency is extremely low, and it can not be effective in defense. So, we decided to use a roller launcher. The following explains the design ideas and advantages and disadvantages of the roller.

① Kevin Shown: The roller is installed at the rear of the device, and it is composed of two big gears, a long shaft, four cup-chambers, elastic rope and rubber band. The roller rotates at high speed when working, and the elastic rope contracts under force to drive the surrounding objects. The spacing of two rollers rotates at high speed when it arrange up and down can pass the triball, and give it a tilted upper friction when rotating.

① Joker: In the first test, it took 20 sec to launch all Loads Triballs. After some adjustment on the way to catching Triball, the time could be controlled in 15 sec. It is not

