We designed our part at Fusion V.2.0.9313. It is a spindexter. Its' purpose is to store balls in it. It could store up to 4 balls. Normally in VRC we don't see much spindexter designs. It's first reason is it is big and we can't say that the VRC robots are big enough for that design. But we thought that it was the time for change so we designed a spindexter. We use a green EDR5 motor gearbox. Then we connected a few aluminium C channels to each other and built a plus sign so balls will go to the directed way.

Because of the fact that this design is not in the VRC for a long time, we had a hard time designing it because there weren't many videos or libraries that we could get information from. So in general we went with a trial and error logic. We designed it, saw some logic mistakes then re-designed it. In the end we had a design that was easy to build and easy to operate. As I said It can store 4 balls and works with just 1 motor. The problem is that it may be a little slower than our output mechanism. Then we changed the gearbox and it was faster. So our robot would be really fast at matches. Also it was a really innovative

Because of this design we learned how to compress big systems to little robots. So it will be easier for us at the next year.