

机器人底盘 设计与搭建

Design & Build for VEX
Robotics Chassis



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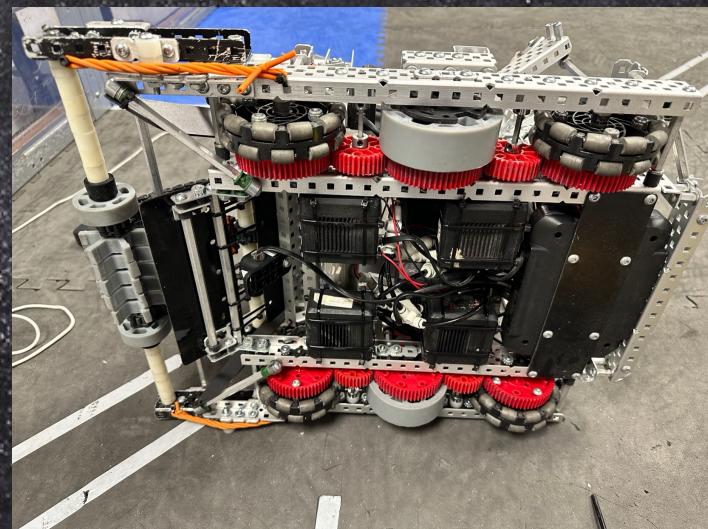
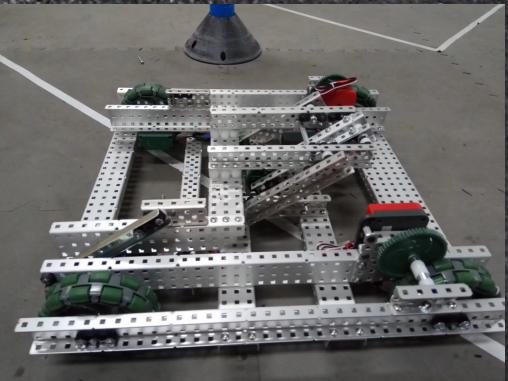
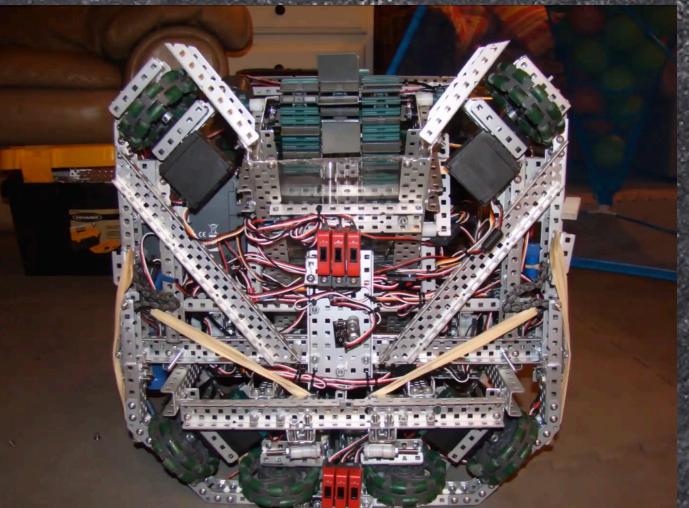
01 机器人底盘种类

Type for Chassis



机器人底盘类型

Type for Chassis



02 传动类型

Type of Transmission

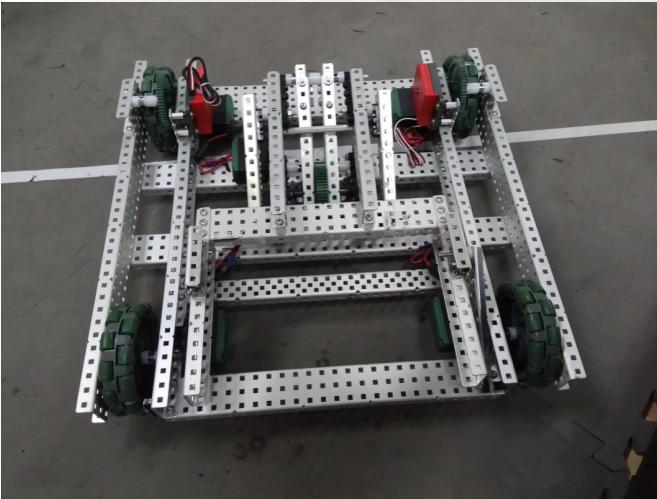


3类常见传动类型

Type of transmission

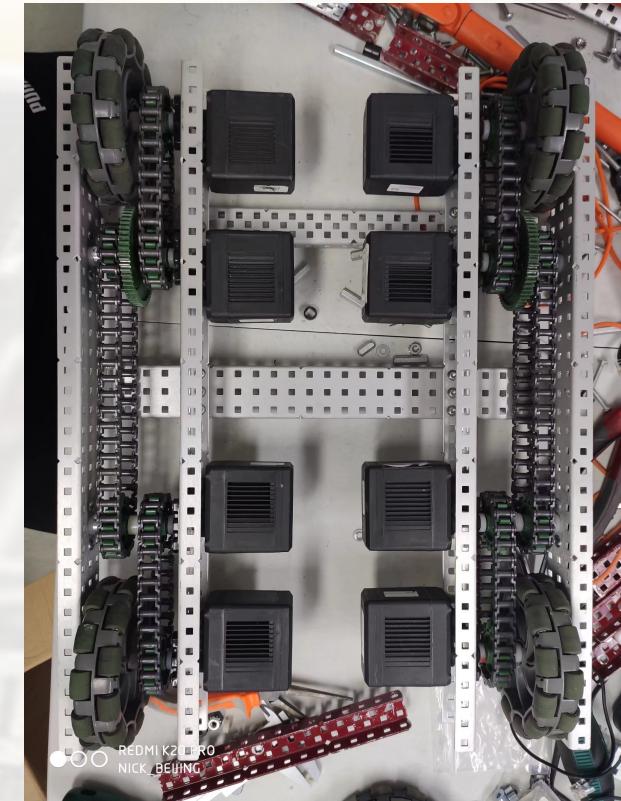
电机直传

电机直接带动车轮，不需要其他的传动结构。



齿轮传动

齿轮传动顾名思义即借助齿轮组传动，齿轮的数量也决定着两级的方向。



链传动

链传动能自由控制两轮之间的距离，方向一致但有机械延迟，较易损。

03 底盘如何设计

Build Chassis Method



设计及搭建步骤



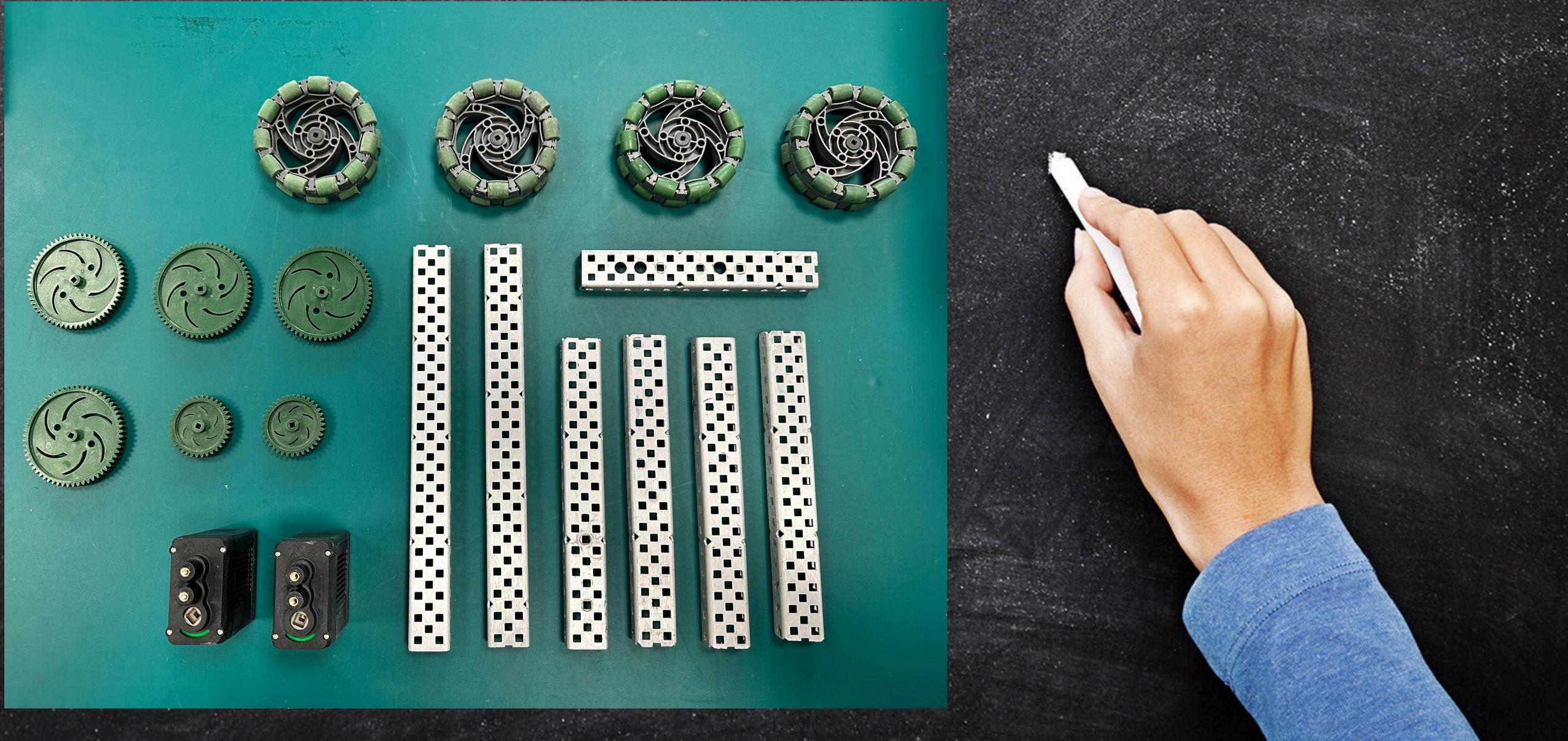
设计机器永远是一个由模仿到创新的过程

04 底盘搭建步骤

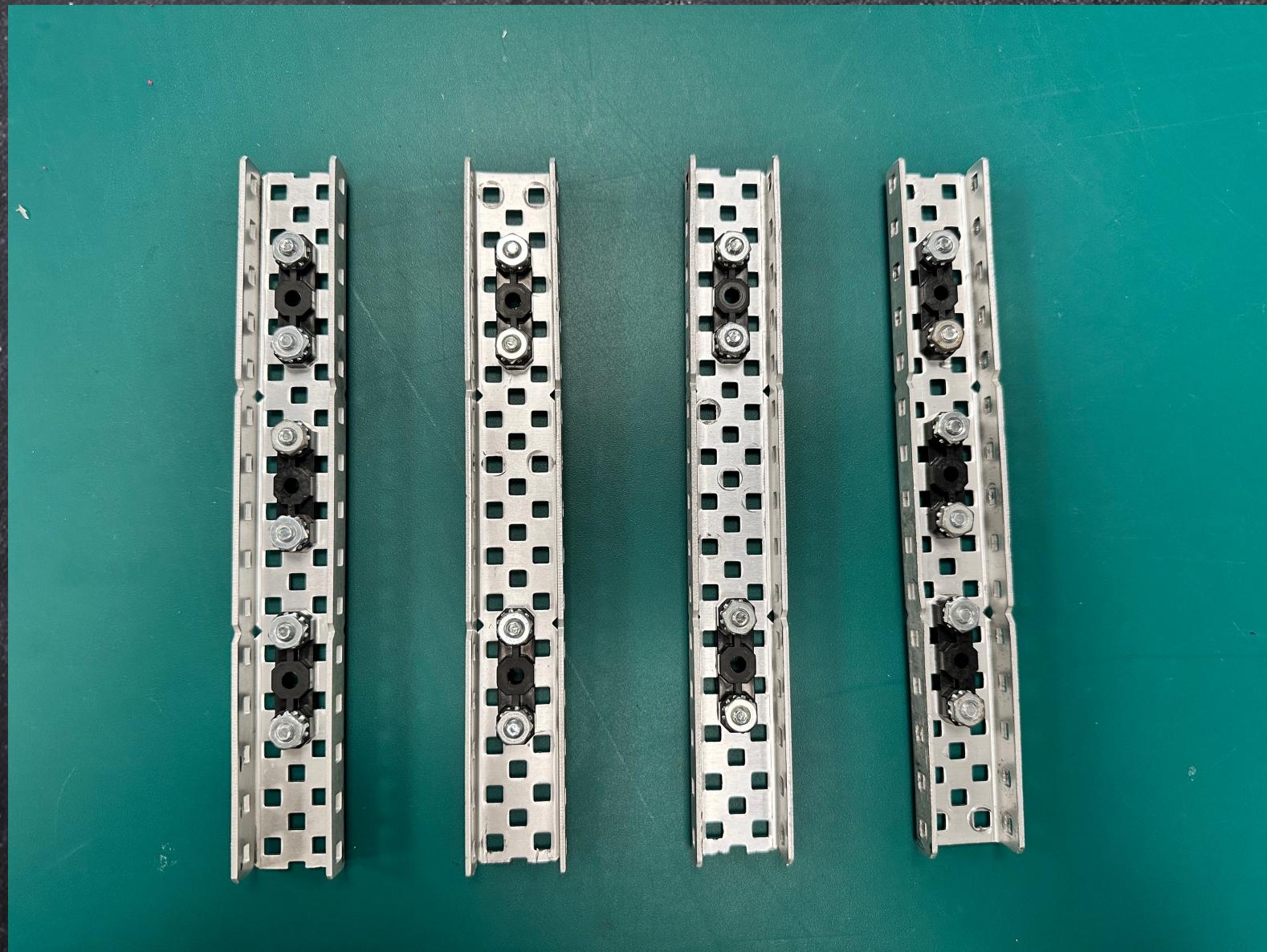
Steps To Build Chassis



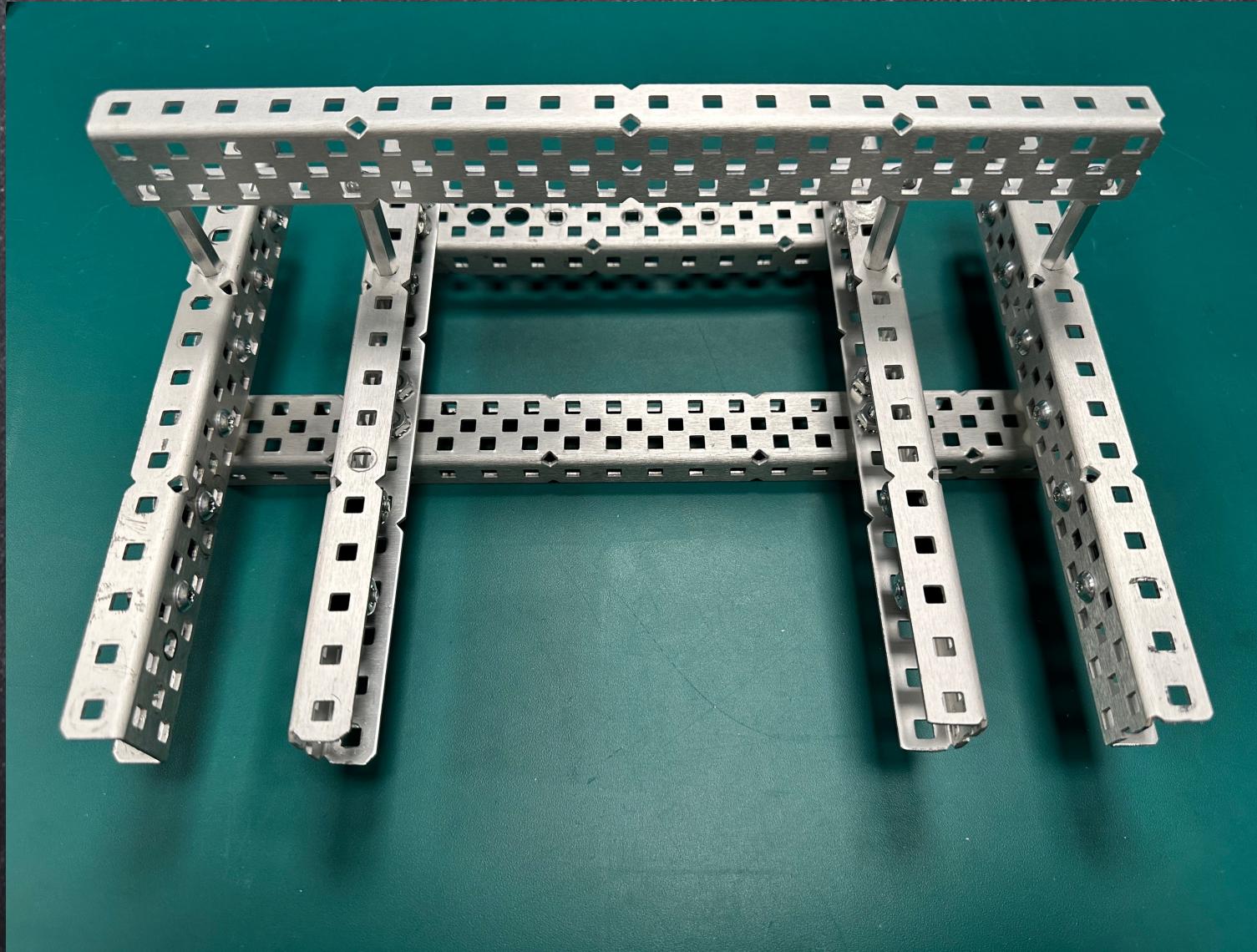
步骤一 准备器材



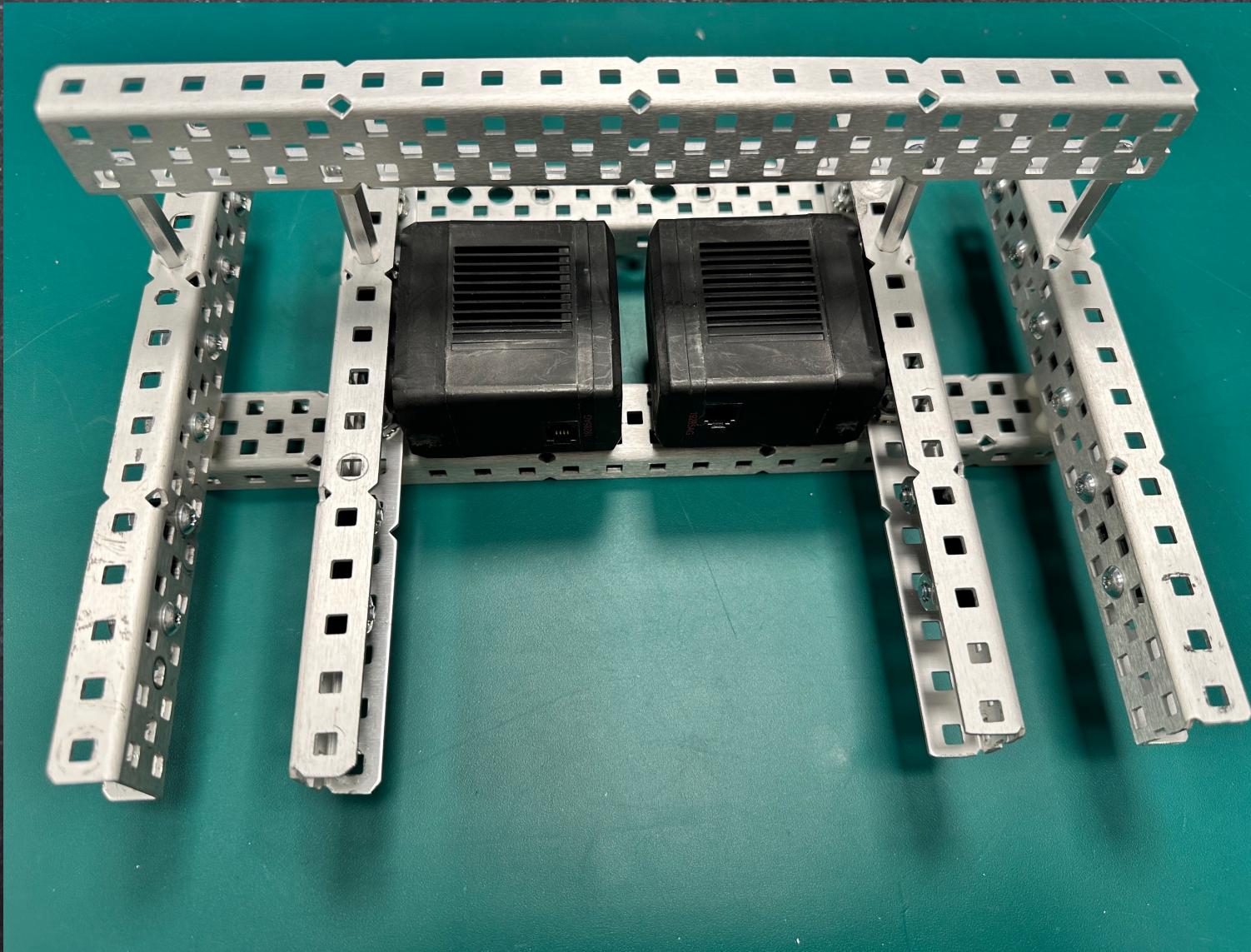
步骤二 底盘框架轴承块



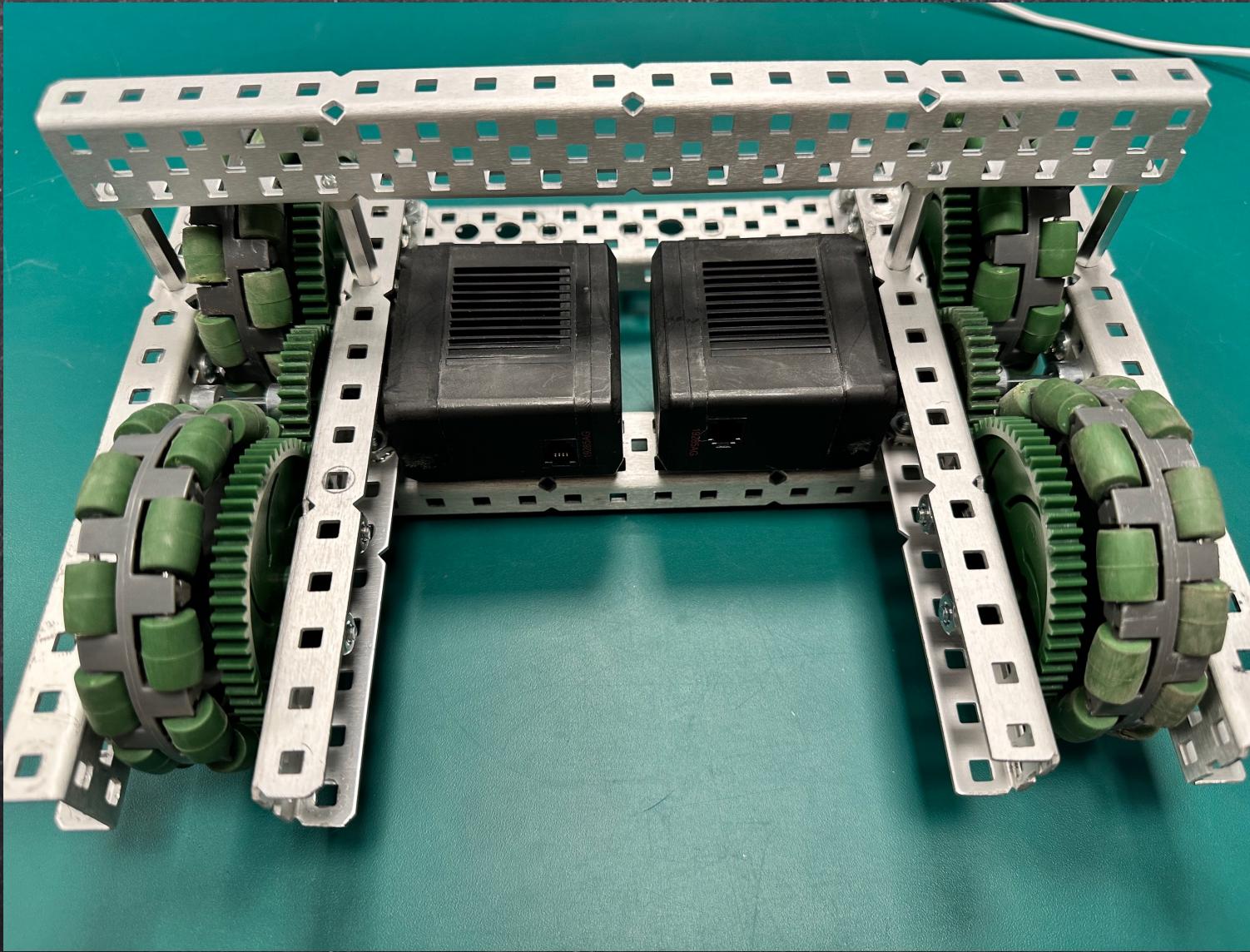
步骤三 底盘框架



步骤四 电机安装



步骤五 万向轮、齿轮安装



THANK YOU

