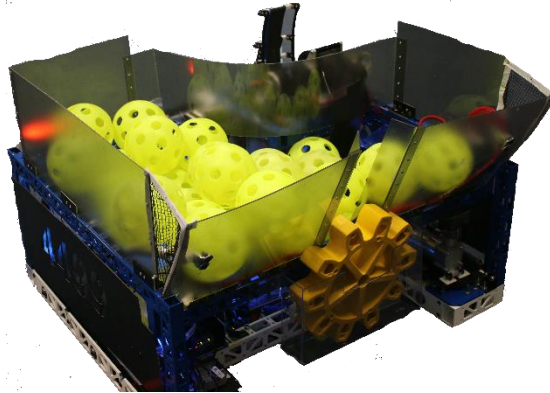


Team 4499 The Highlanders

Robot Spec Sheet

Introducing:

Blitzar



Robot Details

Robot Specifications

Weight: 101 pounds
Full Height 23.75"
High goal shooter
Front mechanism for gear

Cameras

On-board targeting with Nvidia Jetson TK1
3 cameras, one for vision targeting and 2 for positional awareness

Shooter

Turret with 2 x 775 pros, 4" Flex Grip wheel,
with a feeder mechanism that uses poly-cord to
guide balls into the shooter

Drive Train

6 x 4" Colson wheels
Speed 15 fps
4 Cim motors

Climber

2 x 775 pros with a ratchet
Piston to push pressure plate
Rope – nylon strap with velcro

Gear Mechanism

Roller intake to pick up gears
from the ground

Basin

Robot can hold up to 65 balls