

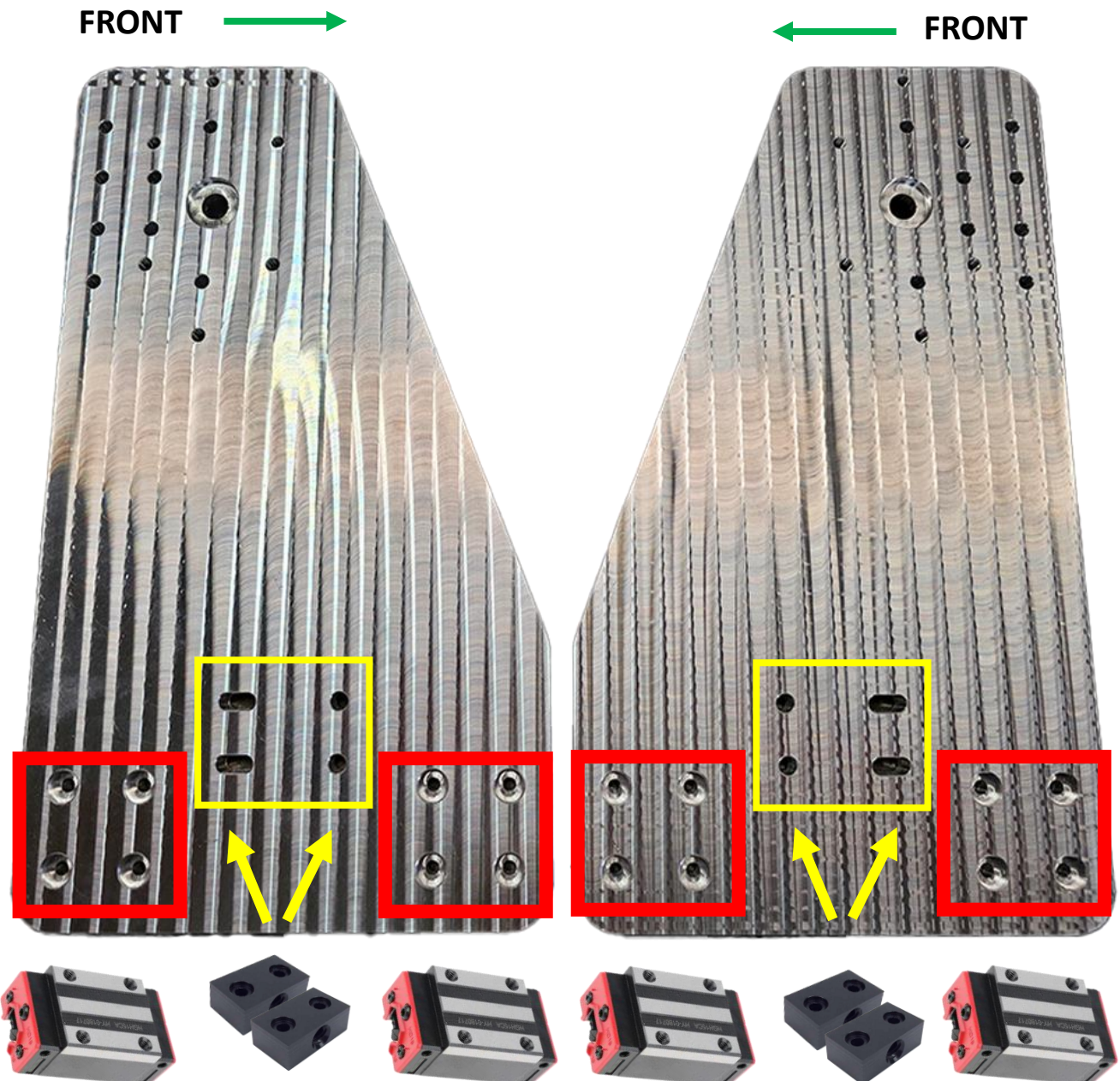
# Modern Queenbee Upgrade Changes

## Y-Plate Changes

Bolt holes highlighted in RED are for your HGH15CA bearings

Bolt holes highlighted in YELLOW are for your Delrin nut blocks. There are 2x holes and 2x slots. You will need 2x Delrin nut blocks per plate. The slot allows you to position the rear Delrin block in such a way to provide slight tension to the screw and remove backlash.

The angled side of the plates face towards the FRONT of the machine.



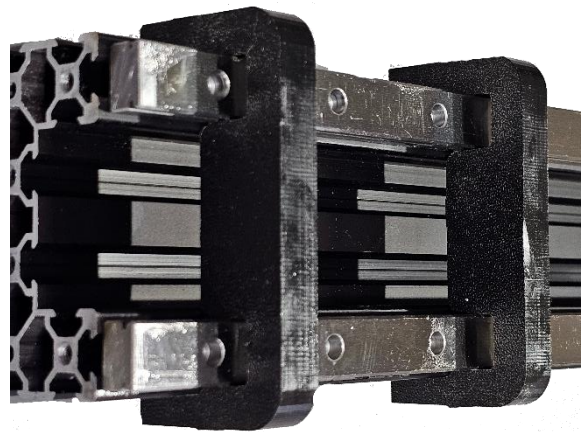
## Rail Alignment Tool

We have made some changes and redesigned the rail alignment tool from the one seen in the build instruction video. These new tools snap into place on the rail and will slide along them, making it easier to get your rail aligned perfectly. These tools work on all 3 axes, with single rails or doubles.

### Rail Alignment Tools



### 2x MGN Rail (Z Axis)



### 2x HGR Rail (X Axis)



### 1x HGR Rail (Y Axis)

