

Next we decided to tackle the problem of their cafeteria trays. The trays are quite slippery, leading to numerous spills when students accidentally tilt the tray or bump into each other. After a few iterations we decided on a design that clips on to the tray with tabs:



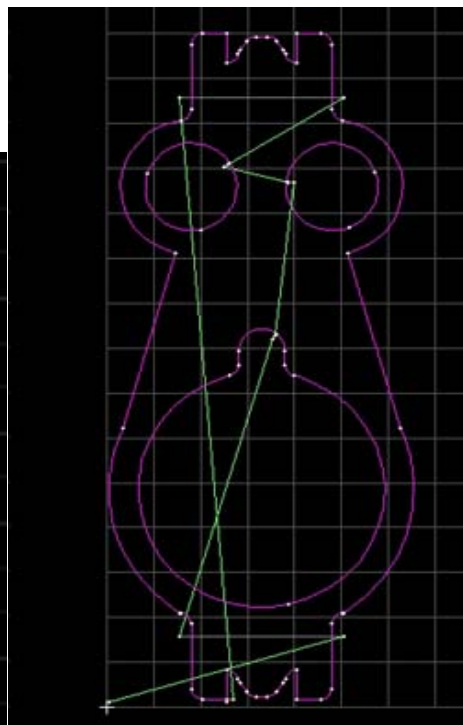
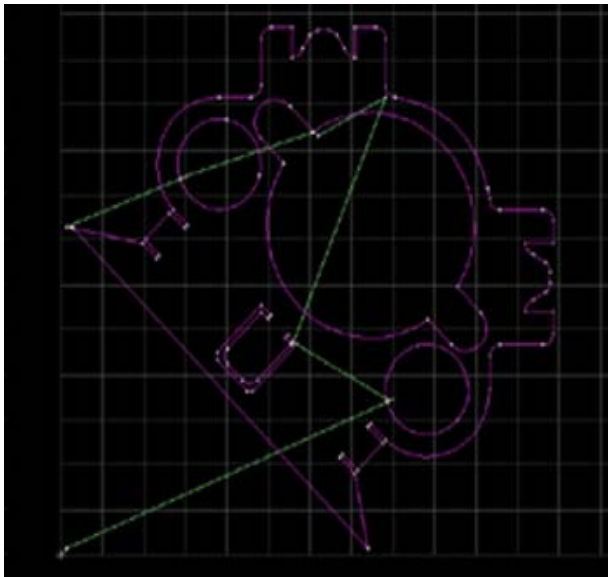
The tabs allow for easy clip-on and removal from the cafeteria trays, so the staff can attach/detach them with ease depending on the student. They are made out of lexan for easy cleaning, and they were also cut on the water jet.



Many tab designs were considered before we chose one. The device both must clip onto the tray shown and have space to hold a bowl and two cups, while leaving room on the tray for plates, silverware and other items:



-Our first prototype!



OMAX drawings