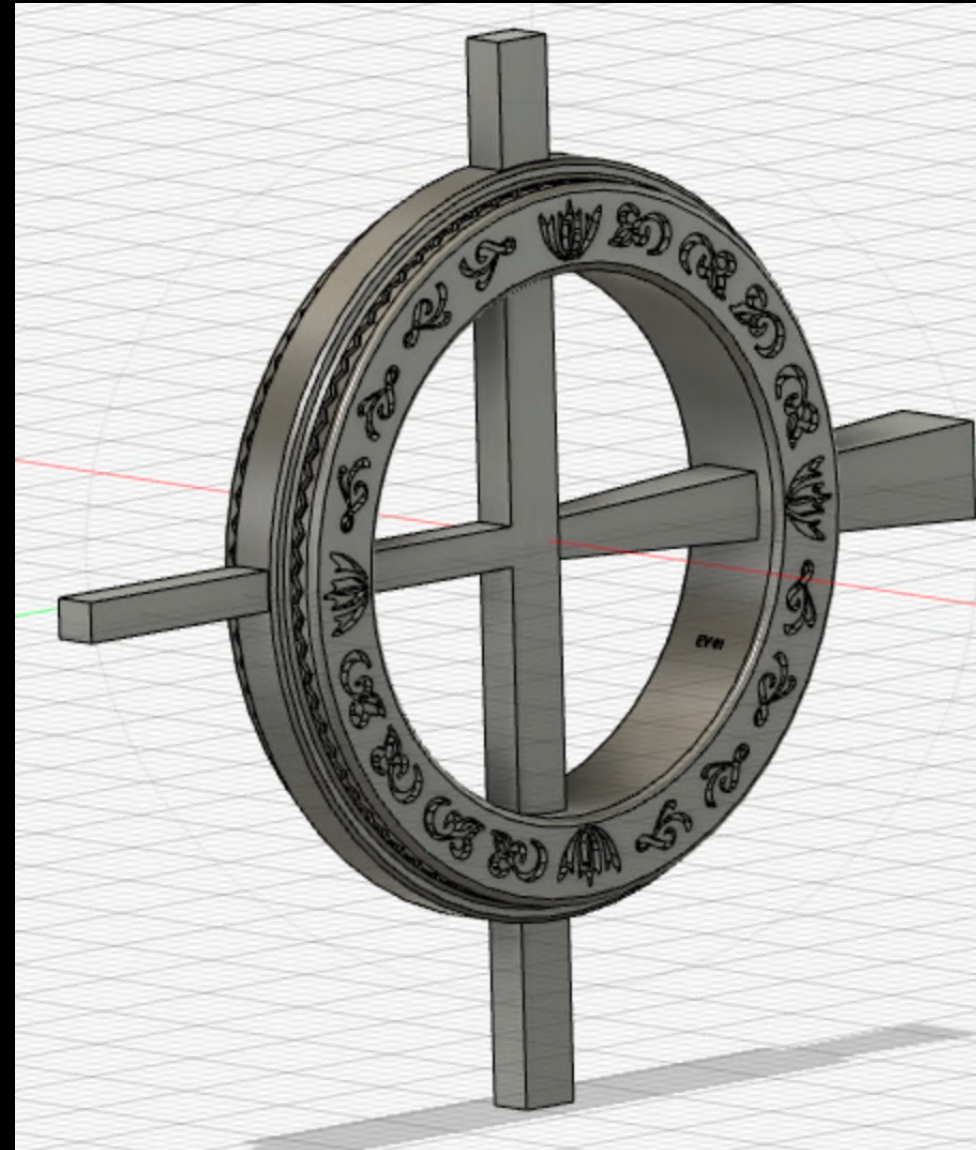
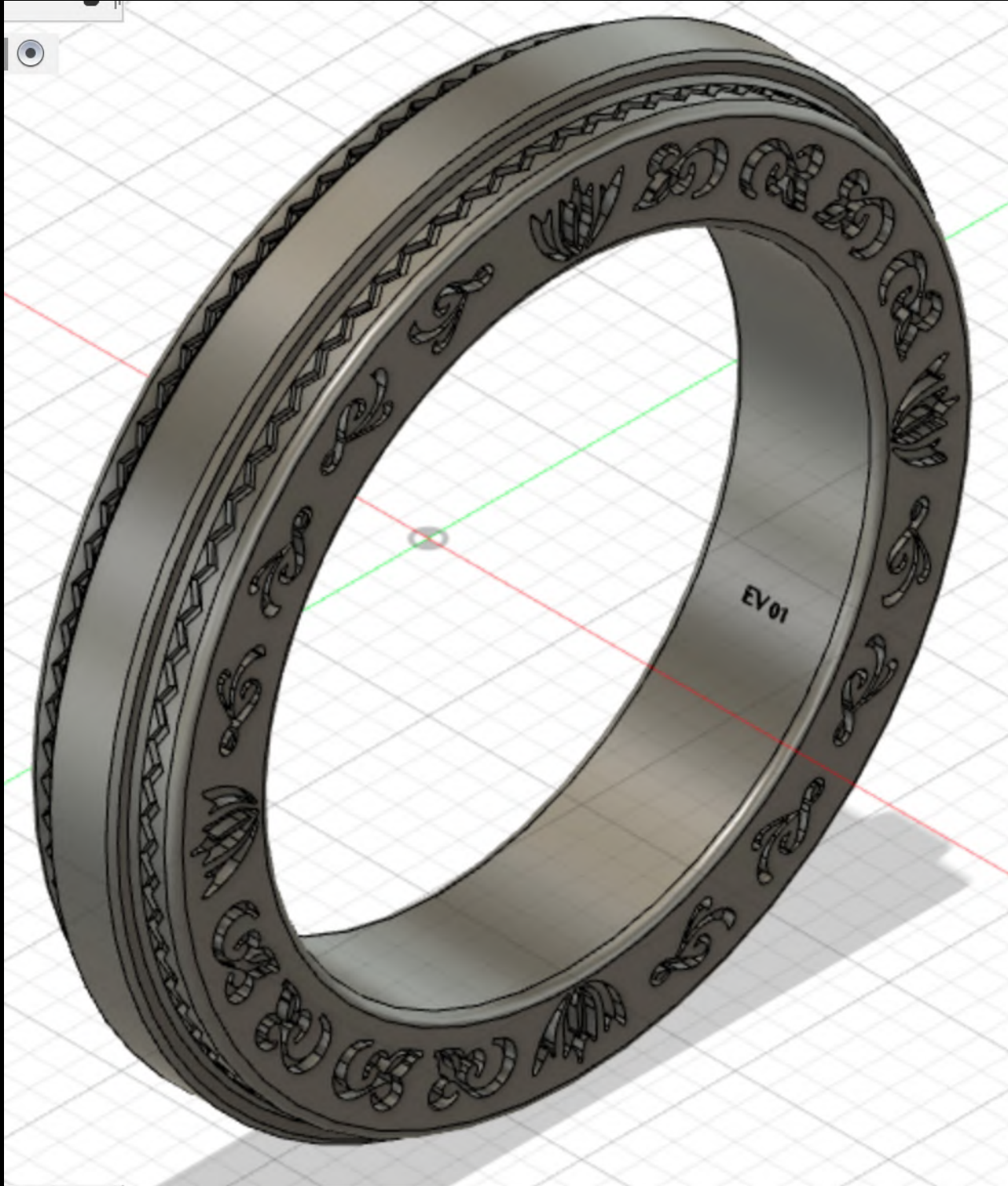


FINAL PROJECT

CASTABLE RESIN PRINTED RING



WHAT HAVE YOU MADE AND WHY DID YOU MAKE IT?



PRUSA SL1 RESIN PRINTER

- YELLOW JEWELRY CASTING RESIN
- FINAL PRINT TIME: 1.5 HOURS

WHAT WENT WRONG?

DESIGN:

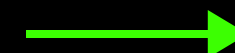
- SKETCHING ON CURVED SUBSTANCE
- DESIGNS NOT MIRRORED ON PRINT
- DESIGNABILITY/PRINTABILITY IS NOT DIRECTLY TRANSLATABLE TO CASTABILITY

CASTING:

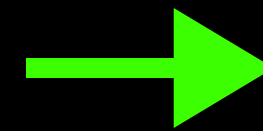
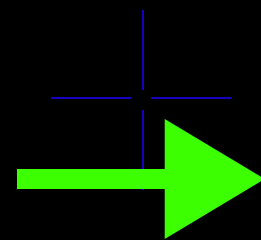
- POROSITY (TOO MANY BUBBLES)
- SLIGHTLY UNEVEN FLOW OF SILVER
- FINISHING REMOVES SIGNIFICANT AMOUNTS OF EXTRUSION
- INCONSISTENT MEASUREMENTS COMPARED TO INDUSTRY STANDARDS

ITERATIVE TESTING PROCESS

TESTING CAPABILITY OF PRUSA SL1 FOR INDUSTRY-LEVEL PRINTS

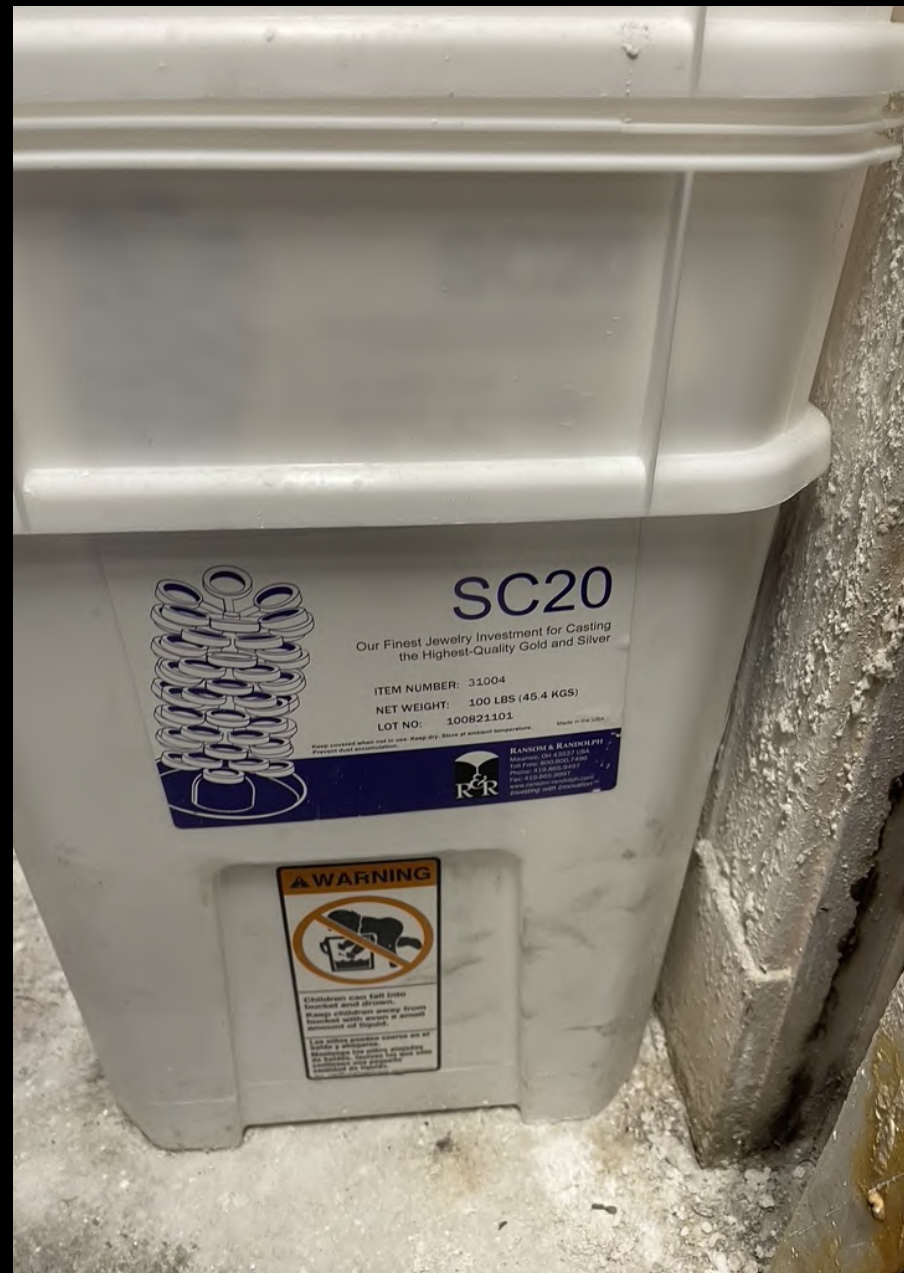


WHAT WENT RIGHT?

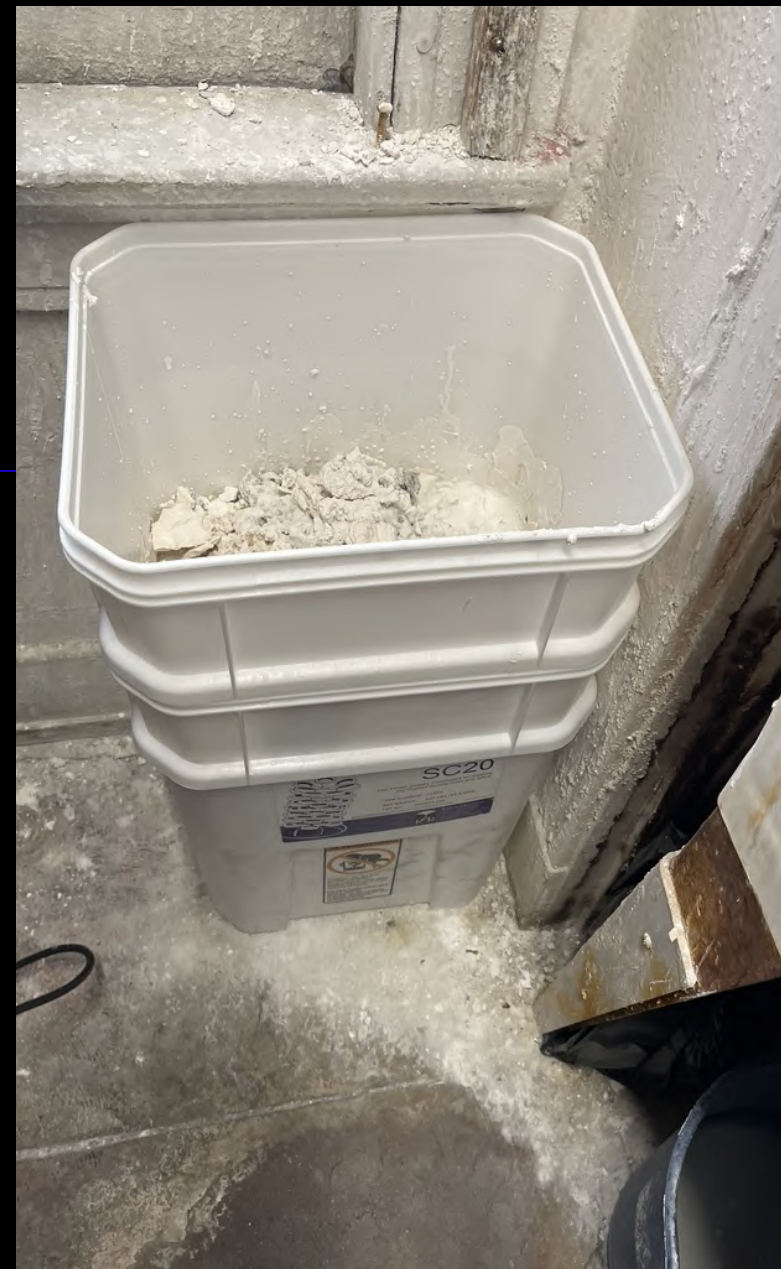


CASTING PROCESS

1)



2)



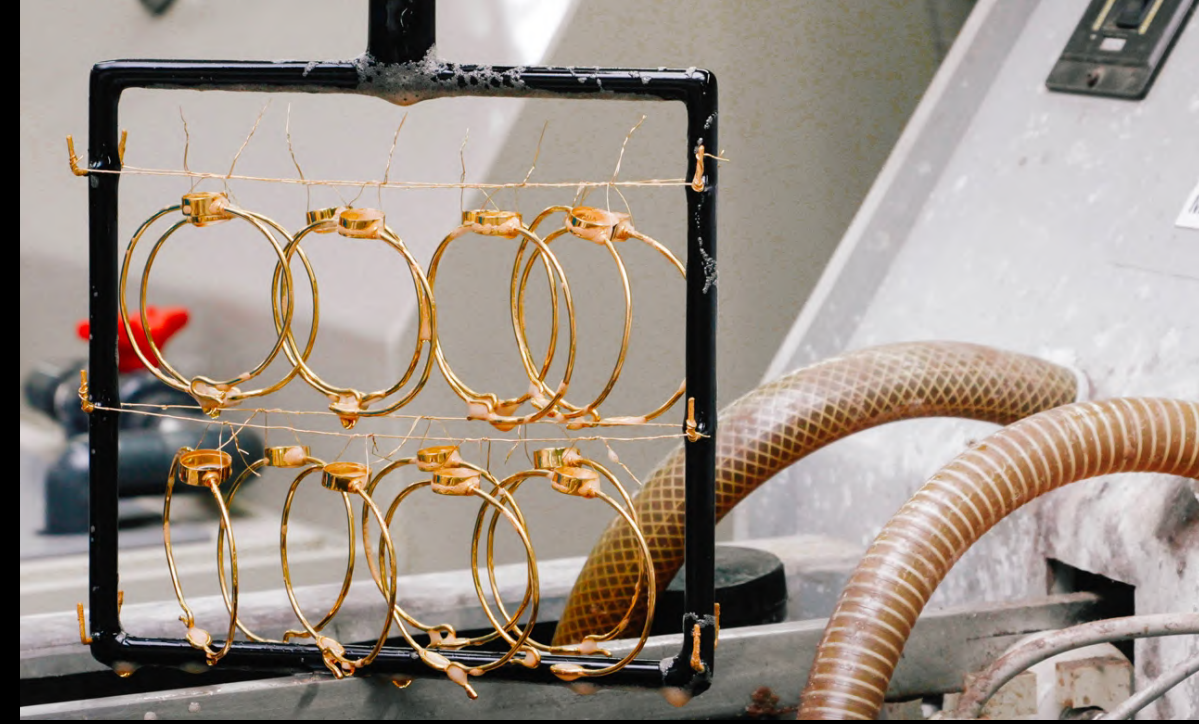
3)



4)



INDUSTRY PRACTICES



IF YOU WERE TO DO THIS AGAIN, WHAT WOULD YOU
DO DIFFERENTLY? WHAT DID YOU LEARN FROM THIS
PROCESS?

A1

2.2.1



2.2.1

