

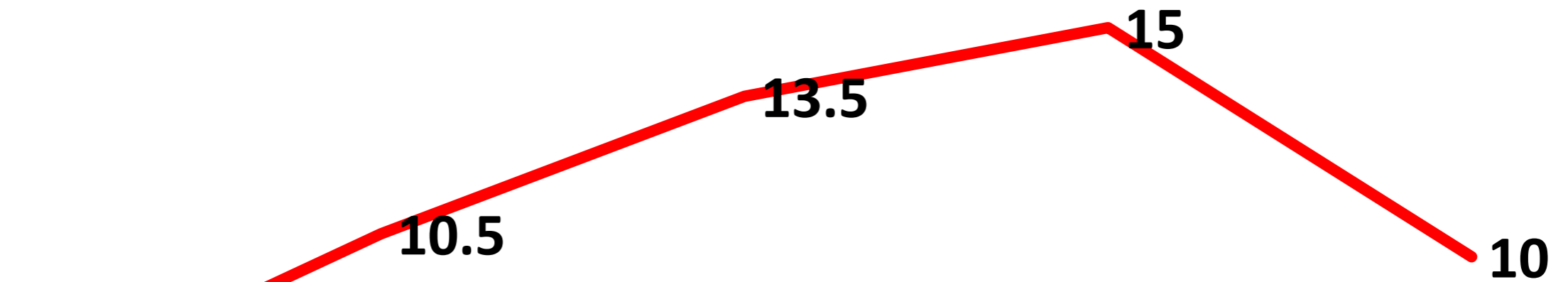
Peek into CNC

Safety Glasses Required for this Powerpoint

The Past

Average Lab Enrollment

— Average Lab Enrollment



Fall 2018

Spring 2019

Fall 2019

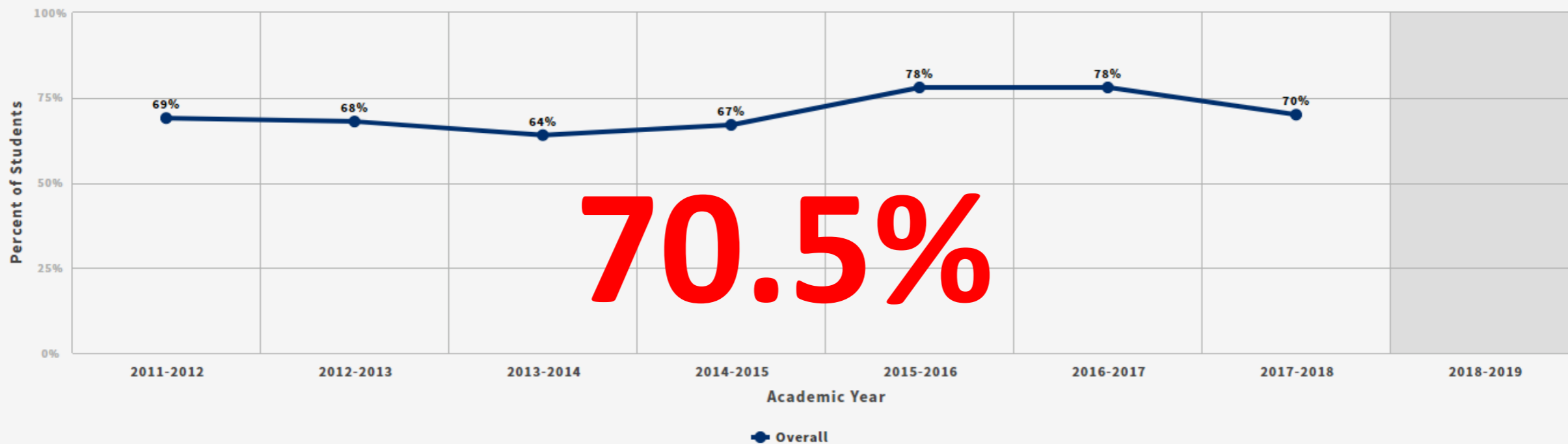
Spring 2020

Fall 2020

Average Exiting Chabot Student % Earning a Living Wage

SWP Exiting Students Who Attained the Living Wage

Among students who exited college and did not transfer to any postsecondary institution, the proportion who attained the district county living wage for a single adult measured immediately following academic year of exit



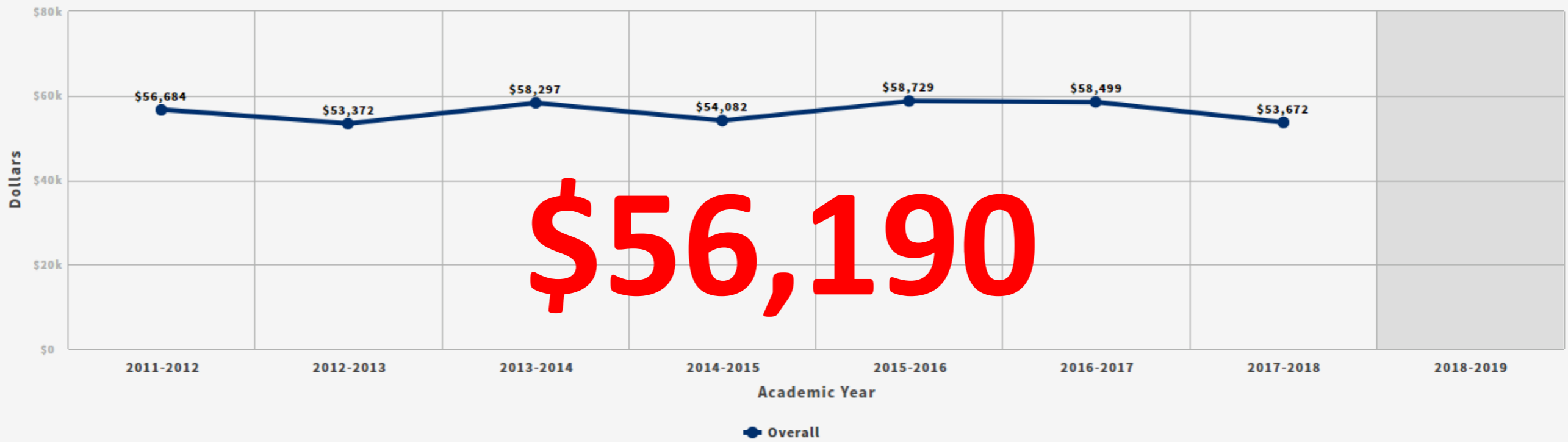
Source: Chancellor's Office Management Information System, Employment Development Department Unemployment Insurance Dataset, National Student Clearinghouse, CSU/UC Match

[Technical Definition](#)

Average Median Income of Exiting Chabot MTT Students

Median Annual Earnings for SWP Exiting Students

Among students who exited the community college system and who did not transfer to any postsecondary institution, median earnings following the academic year of exit



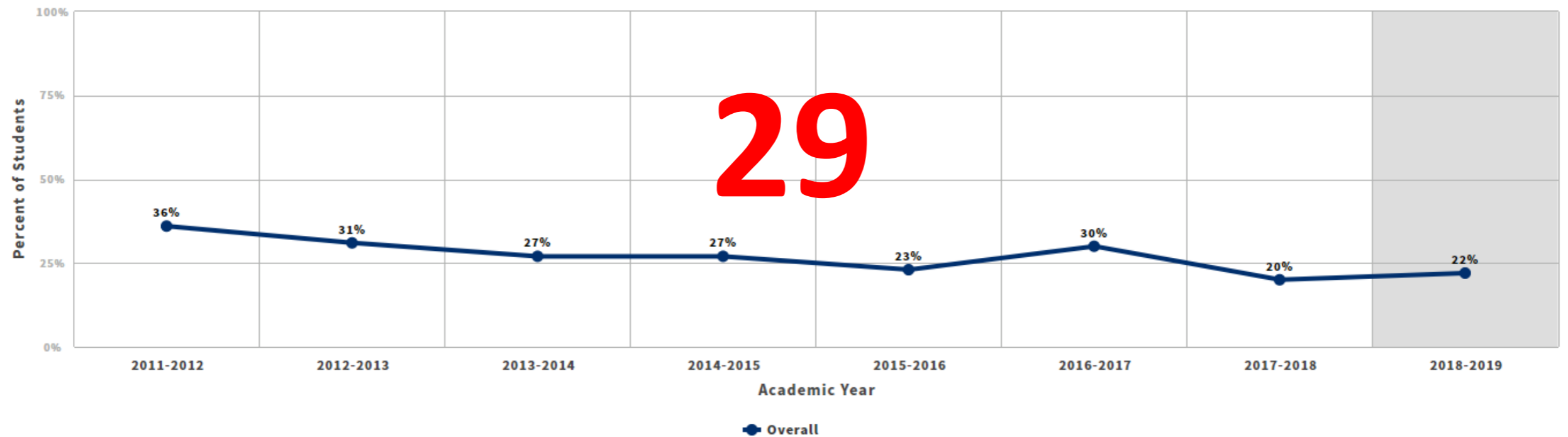
Source: Chancellor's Office Management Information System, Employment Development Department Unemployment Insurance Dataset, National Student Clearinghouse, CSU/UC Match

[Technical Definition](#)

Students Enrolled in MTT Program in 2018-2019

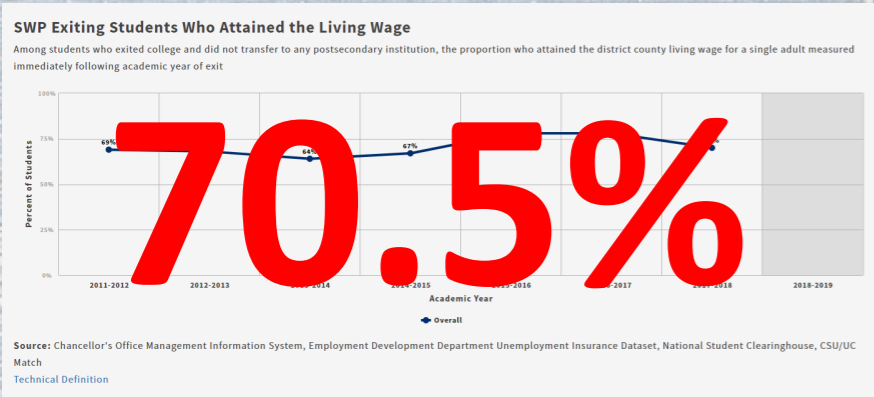
SWP Students Who Earned 9 or More Career Education Units in the District in a Single Year

Among all Strong Workforce Program students, the proportion who successfully completed nine or more career education semester units in the selected year within a single district



MTT vs. Fire Tech vs. Accounting

MTT Living Wage



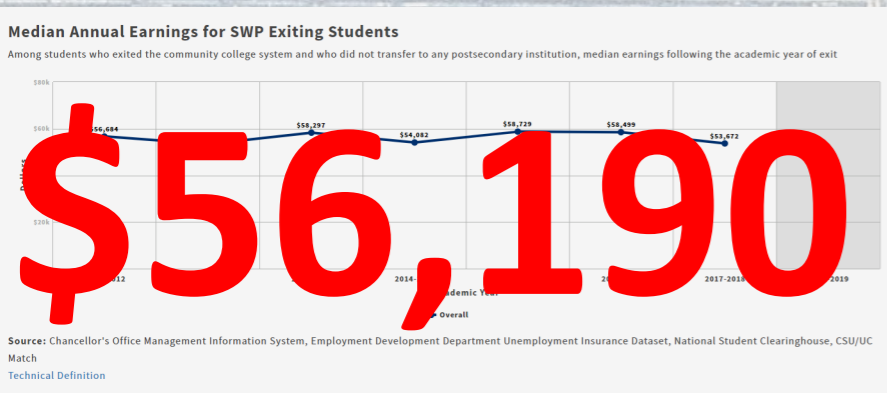
Fire Tech Living Wage



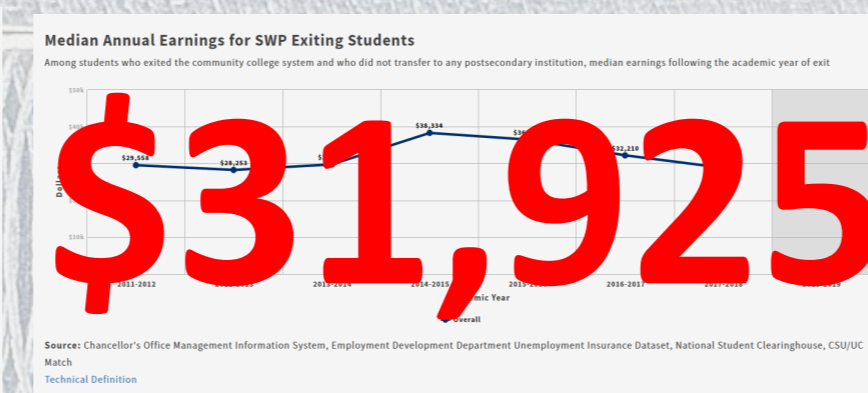
Accounting Living Wage



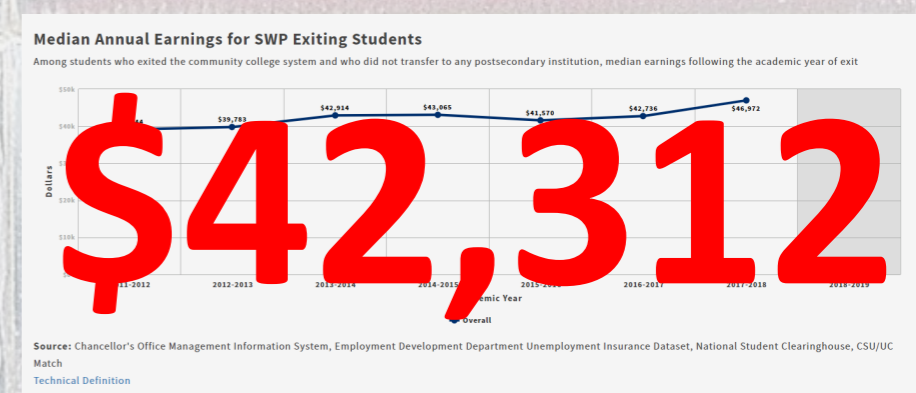
MTT Annual Earnings



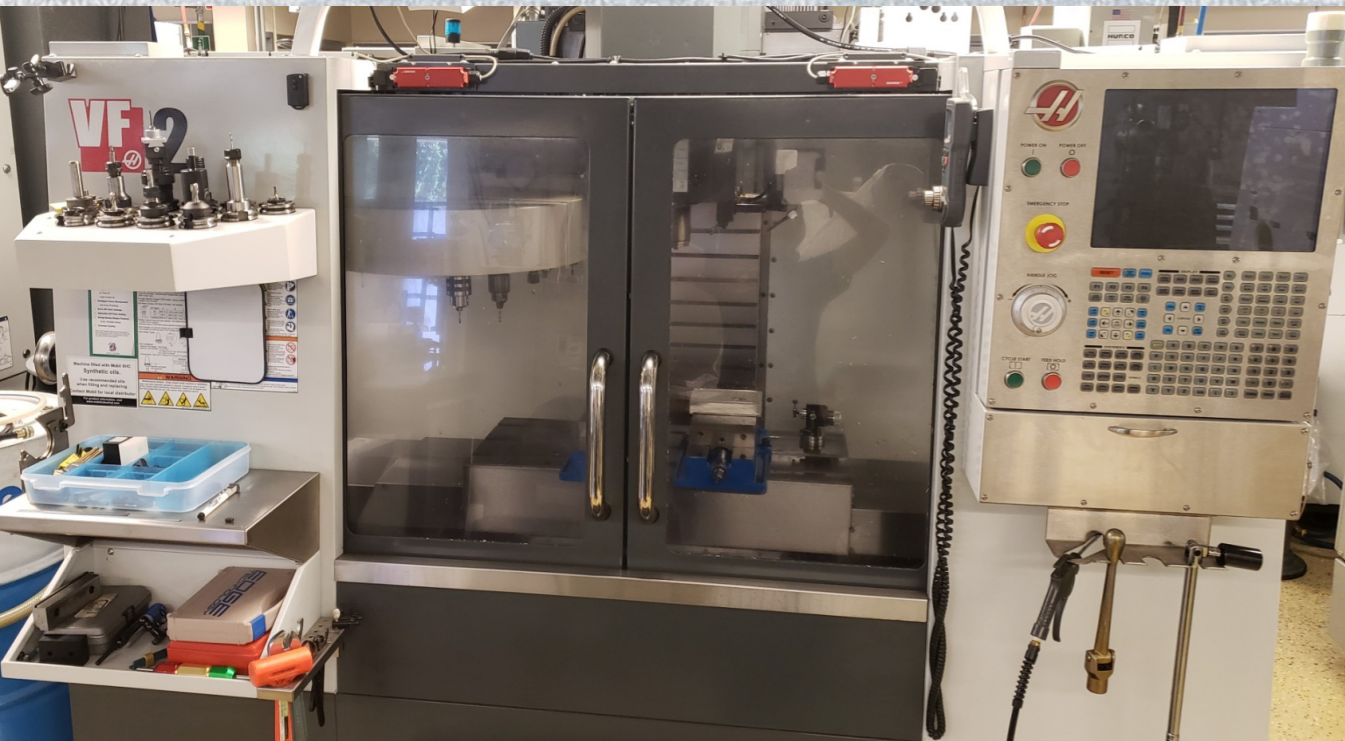
Fire Tech Annual Earnings



Accounting Annual Earnings



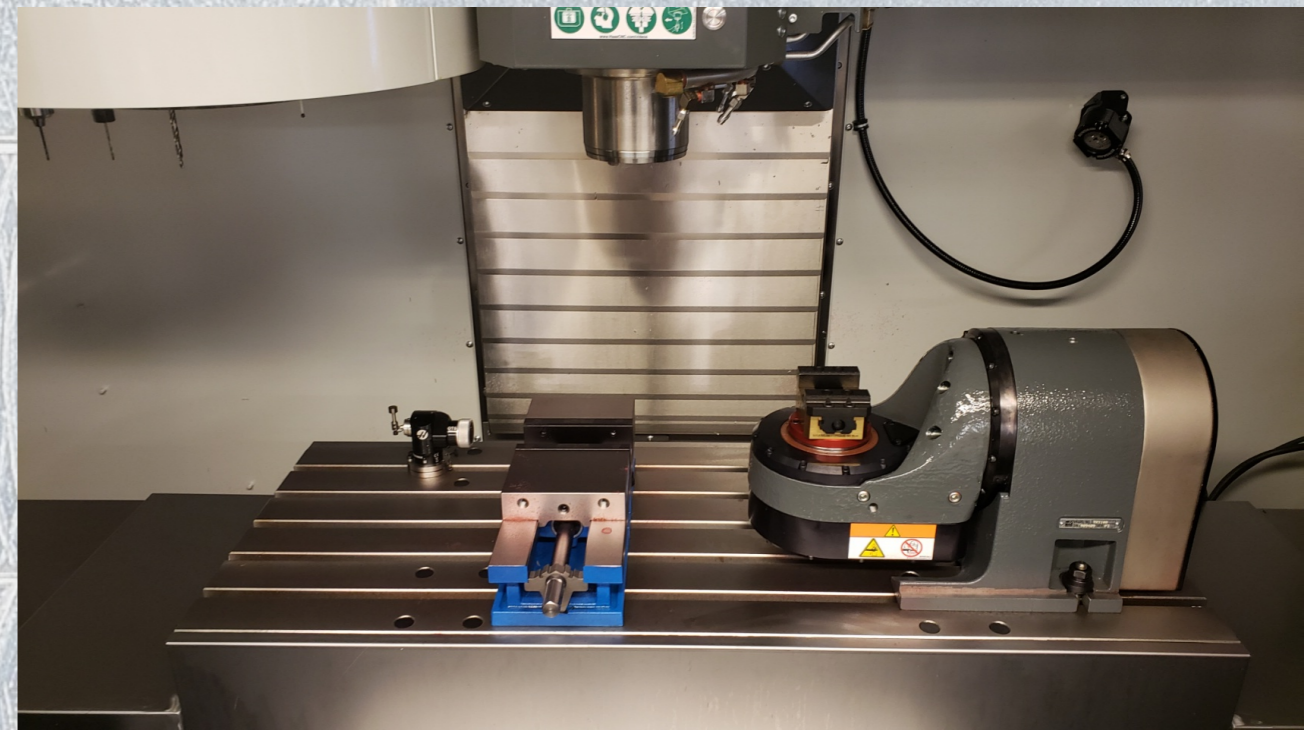
The Present: 5 axis made easy(ish)



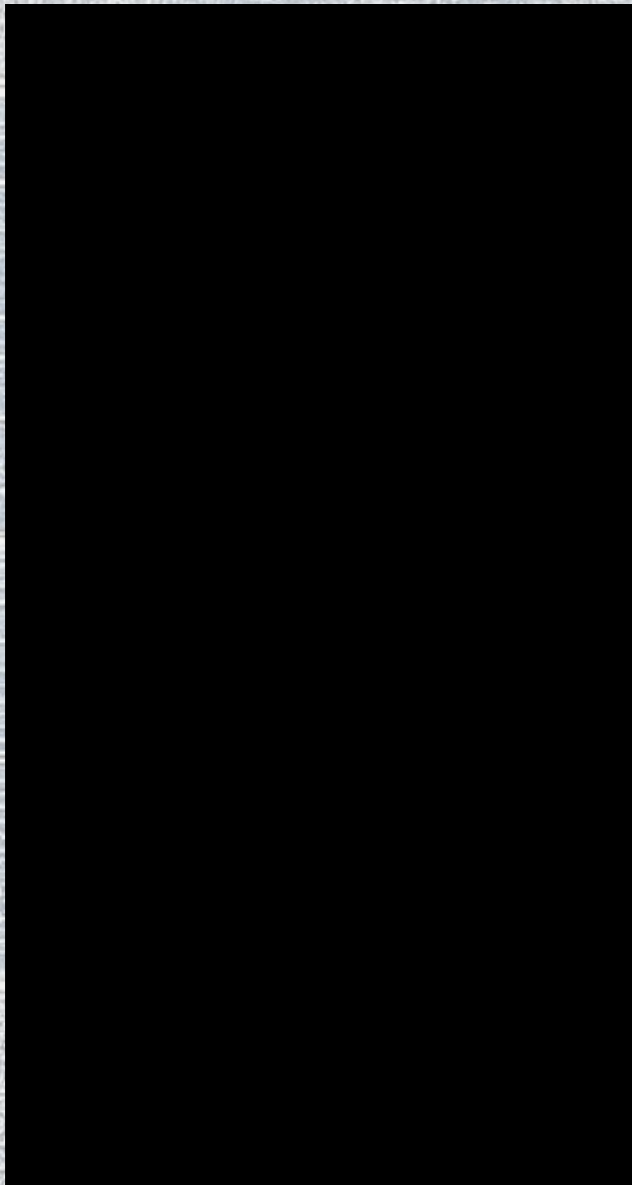
VF2



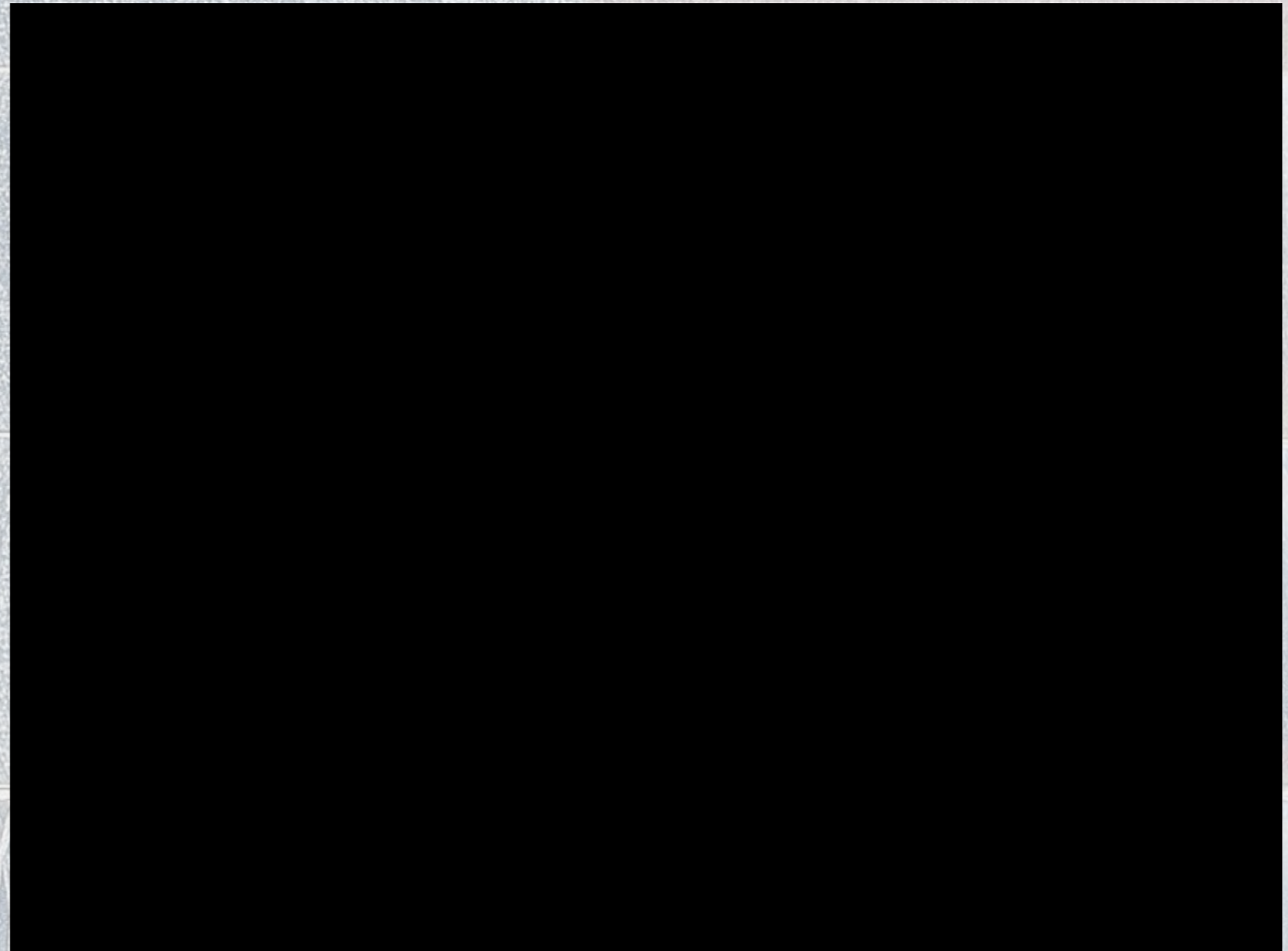
VF3



The Present: 5 axis made easy(ish)

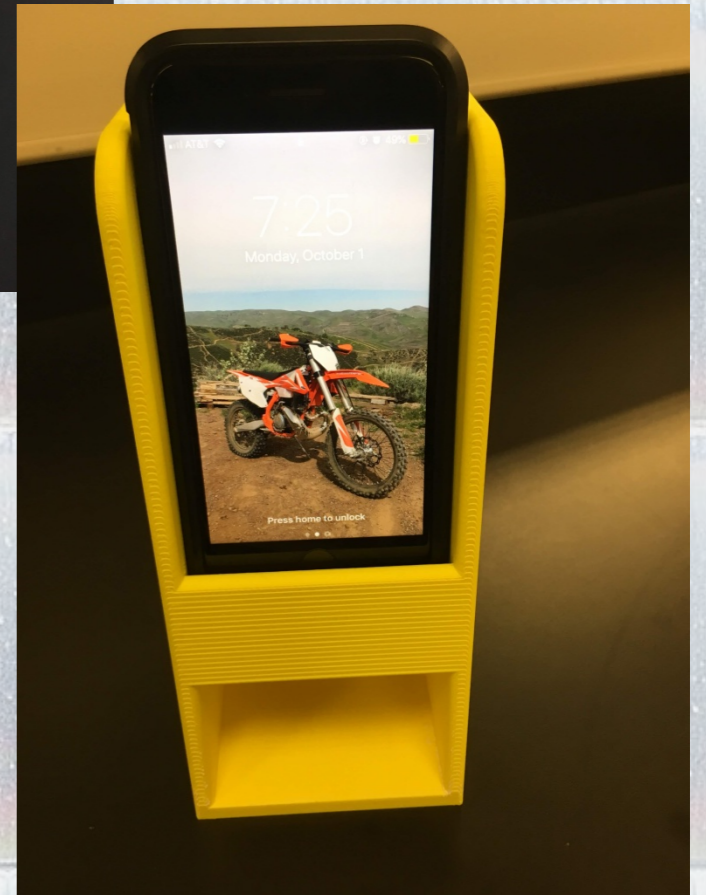
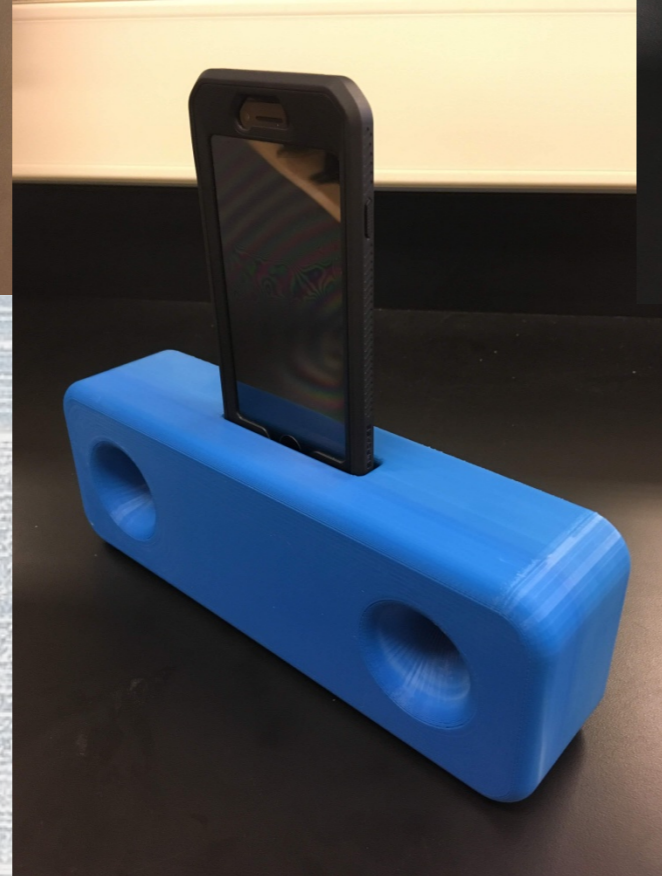
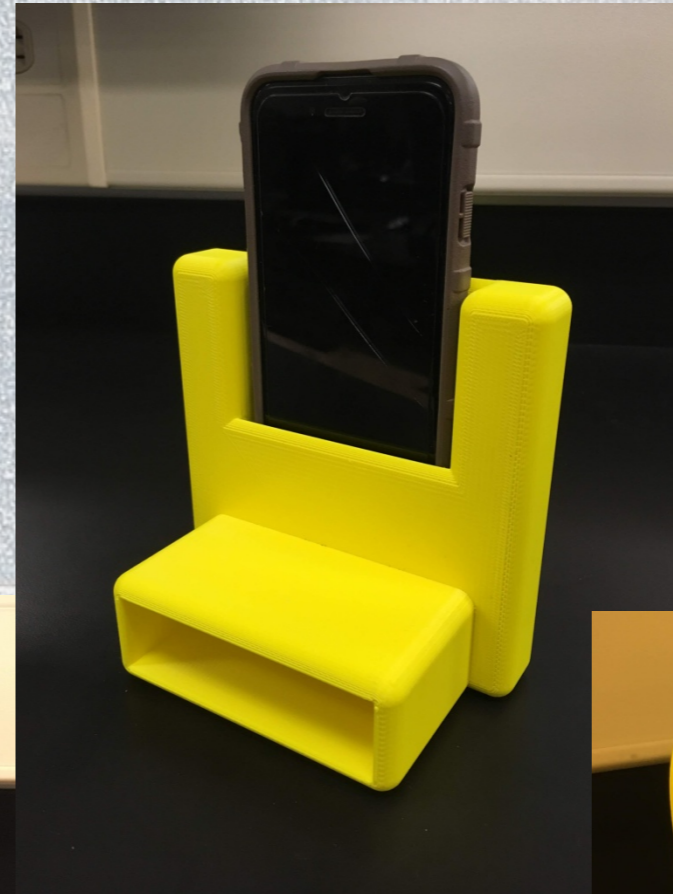
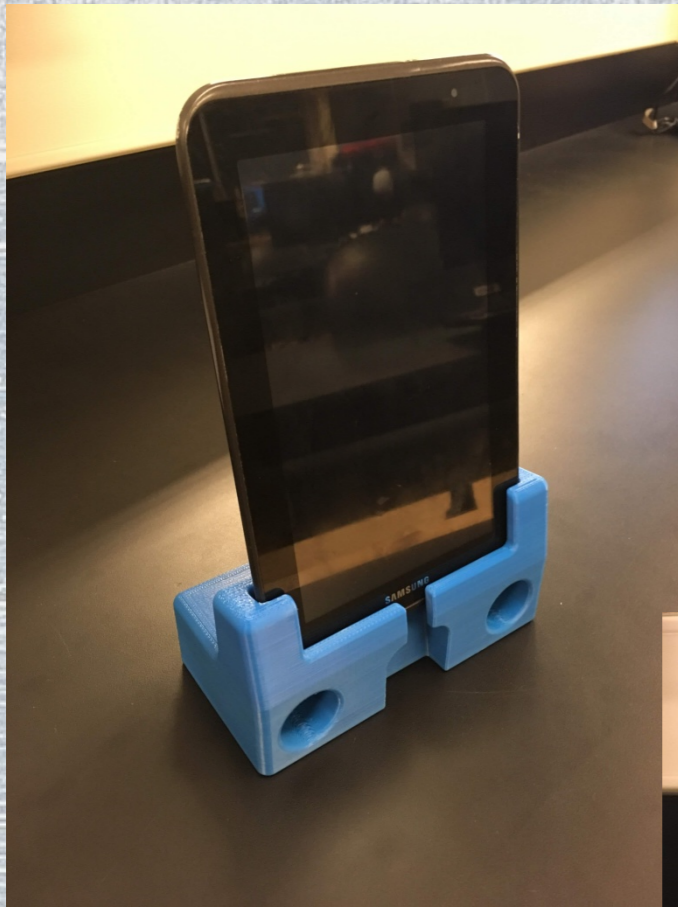


Haas VF2
with TRT 120

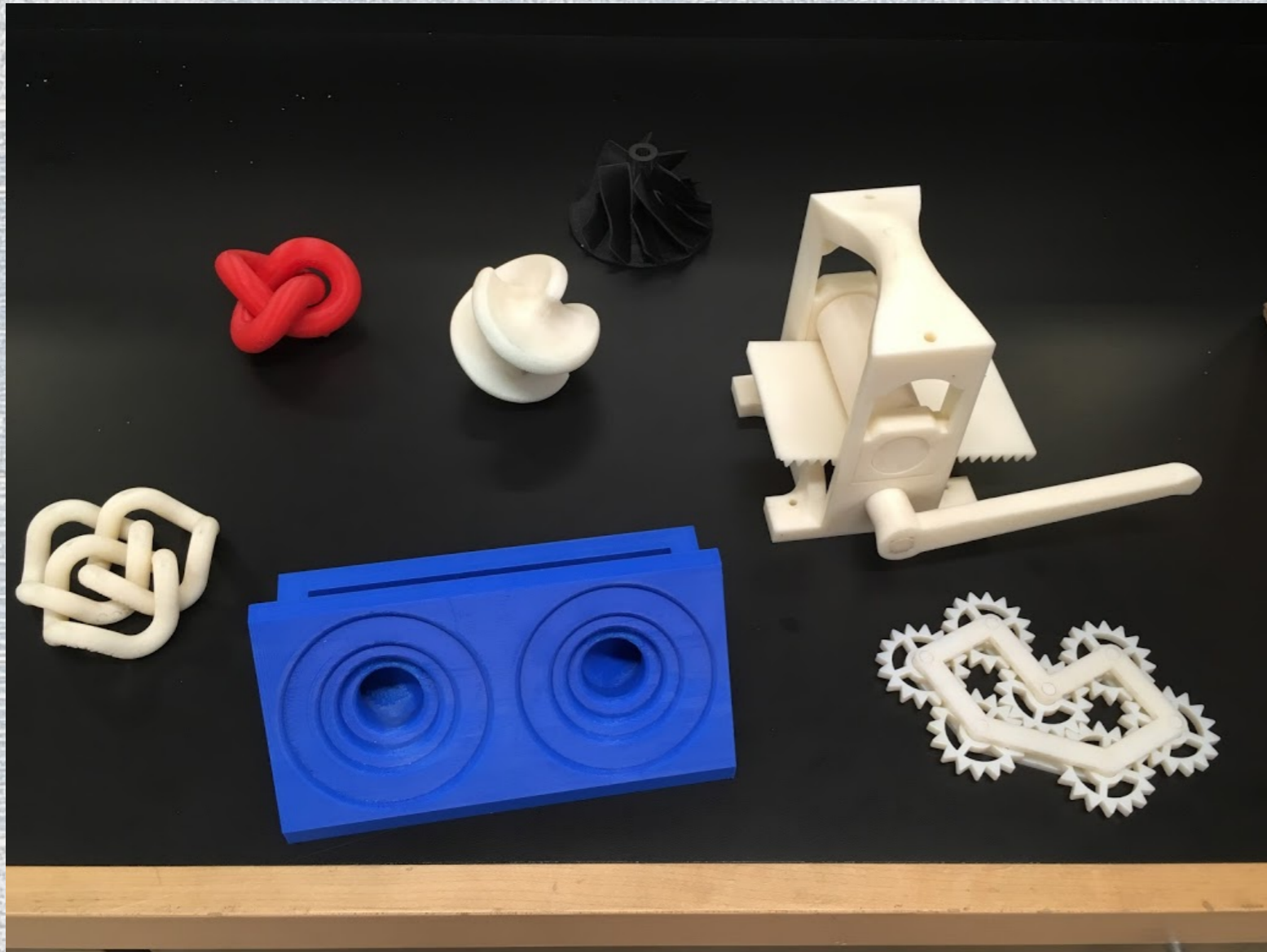


Haas VF3 with TRT 100

3D Printing Project: Amplifiers

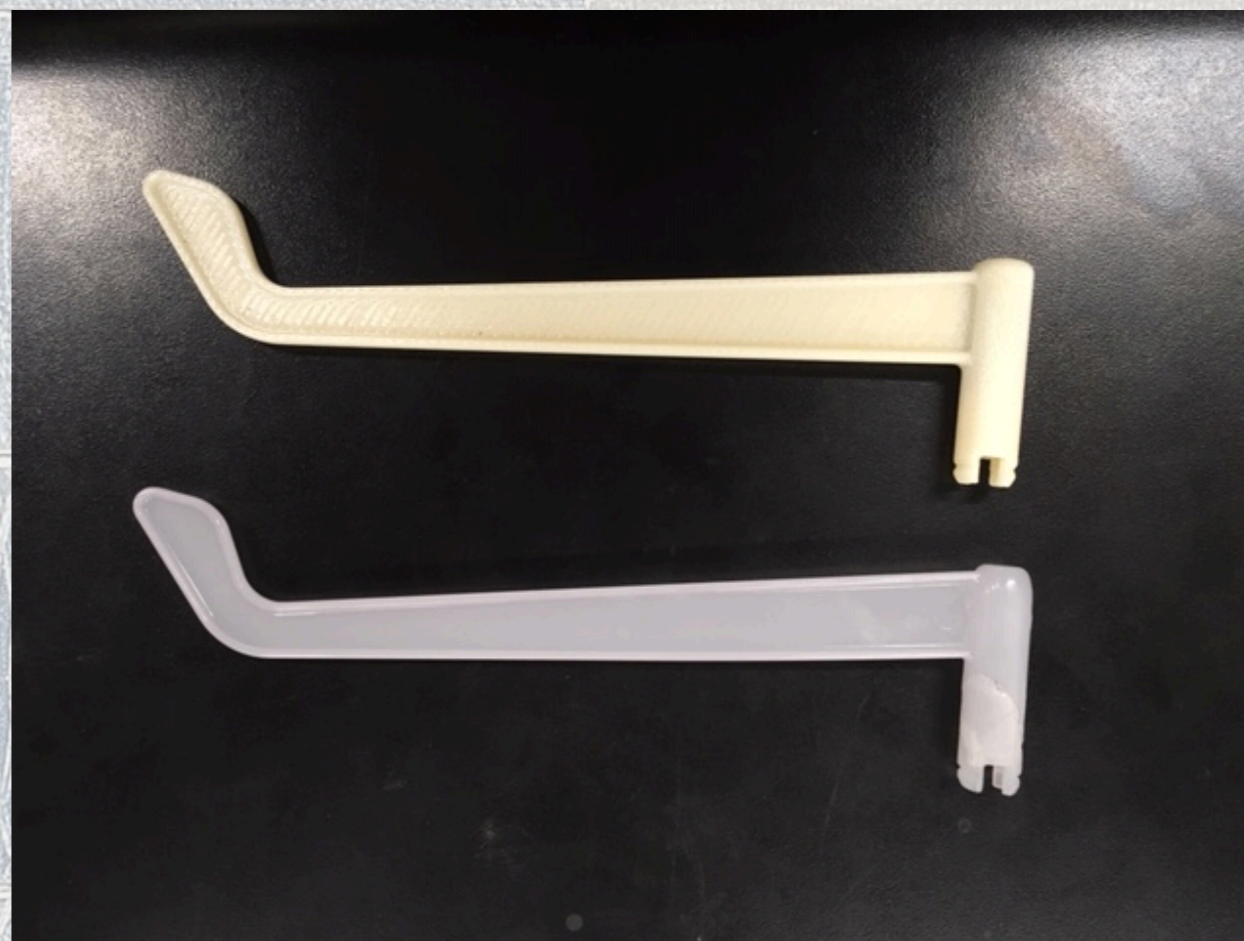


3D Printing Project: Freestyle



Printed with F123 Series

3D Printing Project: Freestyle



Stratasys F123 Series Printers



Laser Cutting

- Laser cutting not allows students to interact with a wider range of materials .
- It also helps with shameless self promotion



Upgrading Curriculum to integrate CAM software with Machining

- Previous courses excluded machining with CAM software.
- CAM classes now include an individual project to be machined.
- New MTT courses MTT73A and MTT73B also offer students additional time with software and hardware while bolstering lab enrollment



Student designed, programmed and machined part and fixture.

Lab Technician

- Added an additional Classified to aid with machine maintenance and student support
 - Thank you, Luke!



The Lab in Action



The Lab in Action



The Lab in Action



The Lab in Action



The Future

- New Advanced CAD/ CAM course MTT82
*pending
- New CAD/ CAM certificate *pending
- Publicity blitz for Fall 2021
- Design/ Build Summer Program
 - Work with teams to create an original product and complete the production to working prototype.
- New Interactive Sculpture course connecting Fine Art and MTT (ESYS?) to create interactive works (mechanical, electronic, etc.)