

Notes on Robot Machine Sept. 16, 2019

On August 29: prepared programs titled "triplet" "quad 1" and "quad 2" to perform the loading procedures "rectangular matrix" test.

Today - copied the triplet code into "StaveletQuads" file
This code is to test the 38 by 42 sized glass in preparation for the stavelet loading

Need to calibrate the robot

- reset module pickup location
- reset dispense cup location, done
- reset calibration location, done
- record height difference between se tip, araldite tip, height gauge, done
- set dispense height location and work adjustments for se dispensing, araldite dispensing, module placement
- set placement locations and pallet values
- change star lengths (A,B,C)
- test SE in the stavelet sized modules

making changes in file:

"File_2019Sep16_StaveletQuads"

dispense cup location:

x = 13

y = 178.275

z = 100

Stavelet Dimensions - in Rebecca's

evernote: <https://www.evernote.com/l/AS5Y5i1acKxF457oz3VwIBzXCeFRvSoPoXU>

from aug 1:

diff height gauge and dispense tip:

deltaX = 59.055

deltaY = 72.77

Verified again today

Calibration location (for dispense tip):

x = 80

y = 300

Calibration location (for height gauge):

x = 139.055

y = 372.77

Height gauge zero at:

z = 119.637

SE tip zero

z = 148.025
Araldite tip zero:
139.85

POINTS program is crashing - more and more frequently. Warning messages that communication with robot was not possible show up first. (usually crashes when using the JOG frequently).