

notes robot machine aug 28

cup dispense position:

x 21.400

y 215.290

z 98.162

from aug 1:

diff height gauge and dispense tip:

deltaX = 59.055

deltaY = 72.77

top left corner of 12" glass plate (304 mm)

x = 132.090

y = 161.605

Center of 12" glass plate (for dispensing)

x = 132.090 + 152 = 284.09

y = 161.605 + 152 = 313.6

center of 12" glass plate (for height gauge)

x = 284.09 + 59.055 = 343.145

y = 313.6 + 72.77 = 386.37

for inner ring pallet routine first point is the starting point in the program (need to shift the circle up by the radius of the ring)

Center of 12" glass plate (for dispensing)

x = 284.09 - 46.75 = 237.34

y = 313.6

center of 12" glass plate (for height gauge)

x = 343.145 - 46.75 = 296.395

y = 386.370

for outer ring pallet routine first point is the starting point in the program (need to shift the circle up by the radius of the ring)

Center of 12" glass plate (for dispensing)

x = 284.09 - 110 = 174.09

y = 313.6

center of 12" glass plate (for height gauge)

x = 343.145 - 110 = 233.145

y = 386.370

Started the dots program (first forgot a minus sign in the 4th set vector move and the forgot to change the pallet number in the deposition point job 25)

finished dot dispensing for inner and outer rings at 4:40

SE4445 out of freezer at 5:10

SE mix is a bit splotchy (splotches of white and of grey)

use program 4

mass test (2 times repeated):

0.17 g and 0.16 g

first 4 stars look bad

change wait time point job 19 from 1000 to 1150

se tip zero on the table at

$x = 80$

$y = 260$

$z = 148.092$

deltaZ with height gauge(119.6): 28.542

29.32

zero on the glass table (se tip)

$z = 142.63$

$z-10 = 132.63$

go to 136 (for se) 107.458 (for hg)

move down z 3 mm (for dispense height)

and adjust to the difference in the table height

change point

108.335 on inner ring to

107.458

work adjustment is the difference between where you start and when the button is pushed.

aug 29

computer didn't update evernote:

took SE out of freezer at 11:10

removed star patterns from yesterday with ethanol (8 patterns) the problem was that the work adjustment was not being implemented

- mass tests were 0.18g (twice)
- had to adjust program wait time to be 850 (previously 1000)
- dispensed 3 patterns to figure out the new wait time
- dispensed 2 patterns for the mass test

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ran the quad patterns from 11:24 to 11:50

- ran a total of 45 star patterns
- syringe ran out of glue on the 46th and majorly on the 47th