

Hayin/Kyle's Friday's Lunch meeting

BioPrint. Informal Friday notes on **10/05/2012**

- Discussed Spatial placement of electrical components (probable):
 - o Motors: ~ Nema 17 or Nema 23
 - o Mx: side of moving x-axis board
 - o My: In front of y axis rails
 - o Mz: on top of support by extruder
- Redefine Stages
 - o Stage 1: Framer Extruder
 - o Stage X: (Sterilization Stage) Called "x", because spatial location is so far undefined and not considered in draft_drawing1.
- Arduino placement in the system
 - o On the side of stage 2.
 - o Option 1: Uses 1 Arduino Mega
 - o Option 2: Uses 2 Arduino Leonardo
 - <http://arduino.cc/en/Main/ArduinoBoardLeonardo>
 - Leo₁ – Leo₂
 - Leo₁ at stage 1
 - Leo₂ at stage 2
- Use of cable carriers attached to Mx.
- Hayin: *Microcomputer Applications in Manufacturing* by A. Galip Ulsoy, Warren R. DeVries.
- Kyle: Manufacturing Book from general collection
 - o Return both October 26, 2012
- Downloaded Slic3r



Cable Carrier

Future Goals, Talk about Next Fri ☺

- Use of cable carriers attached to Mx.
 - o Define Length
 - o Define Material
- Redesign including StageX
- Cell deposition connection with Leo and/or Mega ADK
 - o Syringe pump
 - o Gantry Crane
 - o Lazy Susan