

Core Technology:

- Modular cheap / fast liquid handling
- OS independent: web server which also allows remote control
- Copy + paste liquid handling operations (online repo ?)

Market Size / Target Customers:

- OEMs, biotechs / syn bio, industrial chem, pharma, diagnostics labs
- Thermo Fisher, BASF, Quest, Life Technologies "speed challenge" with 1M bounty
- Avoid academia ? Not incentivized == glut of grad students
- Primary concern is that a single client of this size would be all I need

Business Model:

- Would love to open source some aspect -- TBD
- Exclusivity agreement as sole provider of the LH002 for length of contract
- Customize hardware + add ons / expand tech
- Service agreements

Team Bios

carl crott

- Owned and operated black-glass web design company
- Quit previous startup job w specific intent to work in silicon valley biotech
- NLP chemoinformatics parsing app: <http://stark-fire-6273.herokuapp.com/chemoinformatics>
(ask me to enable backend =])
- Versed in: python, ajax, java, linux, c, web, solidworks, marketing, mathematics, bio
- Aligned human genome NA1924 on 40 cores of ec2 (want a genome ? =])
- Prototyped the LH001 and peristaltic pump

co-founder x

- Python + c coder
- Electrical engineering background
- Someone from Stanford, Caltech, UCLA ?

Tech / Timeline:

- Start program with:
 - Completed initial completed schematic
 - Finished supplier list
- Order parts (sooner > later)
- Assembly: no more than 2 iterations of the build to working prototype
 - 3000 for initial testing / revision setup (1 core + main rail assembly)
 - 14000 for full 12-core prototype
- Machine fine-tuning in order:
 - Make it work: positioning code to place in 7mm target with 3' envelope
 - Make it fast: stepper velocities / loads / resonance points
 - Make it pretty: may or may not... (specifics of selling to OEMs)

- Presentation of codified liquid handling protocols
- Quickie website with pretty design and a few prices for models

Hardware:

https://docs.google.com/spreadsheet/ccc?key=0AtOqyz8P_fJ0dFN1TDdCMIgySFBHTHA3cIZBUkdCNnc

Living:

- 2500 food / housing
- 100 phone
- 230 transportation
- 60 gym
- ?? misc

Additional:

- Will be supplying my own rendering / coding machines
- Twitter: @delinquentme
- FB: <http://www.facebook.com/delinquentme> (my header image == LHCs detection array =])
- www.black-glass.com (lots of design, code and ubuntu stuff)
- machine prototypes
 - lh001:
 - <http://www.youtube.com/watch?v=ZY5IY5CZ1es> (so its 'high-throughput' for the 70s)
 - <http://i.imgur.com/jc0kk.jpg>
 - peristaltic pump
 - <http://imgur.com/a/0CeMq#0>
 - lh002:
 - <https://github.com/delinquentme/LH002/tree/master/images>
 - <http://imgur.com/a/3D3Oo#0>
- I really REALLY like mexican food