CNC Sewer

- Maintainer: yomin
- Date: 2013-11-03
- Status: ongoing

The CNC Sewer will combine a sewing machine with our cnc milling machine. The result will be a sticking like operation.

ToDo

- ☐ ~~buy sewing machine~~
- ☐ ~~repair sewing machine~~
- ☐ ~~concept whether and how to move fabric or machine~~
- ☐ ~~get missing parts~~
  - ☐ ~~embroidery frame~~
- ☐ build
  - ☐ ~~cnc machine mounting~~
  - ☐ ~~embroidery frame to mounting~~
  - ☐ get motor working
- ☐ ~~concept to program machine~~
- ☐ manual

Concept

- sewing machine fix, embroidery frame moves
- limited to ~15cm diameter embroideries
- sync of cnc and sewing machine
  - hand wheel triggered limit switch
  - mach3 knows whether needle down or up
  - conditional gcode waiting for needle up
- creating gcode
  - knitting machine software with Melco exp format (eg. embroider for inkscape)
  - own tool exp2gco, converts exp code, adds conditional limit switch code

Progress



Links

- http://hackaday.com/2014/06/10/diy-embroidery-machine-sews-your-name-in-your-undies/

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