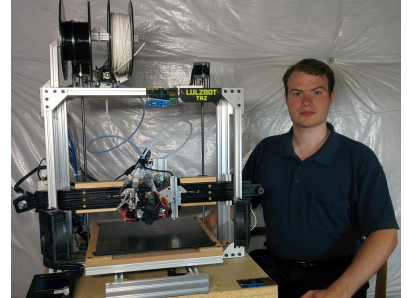


Resume, recruiting, policy, demos, etc, regarding 'author' mirage335.

Reading

Recommended reading includes...

- * document-biography.pdf
- * document-recruiting-complete.pdf
- * document-numbering.pdf
- * zzLib_895-reference/from_uTST (image gallery)
- * zzLib_895-reference/demo (image gallery)
- * zzLib_895-reference/demo/_misc (image gallery)

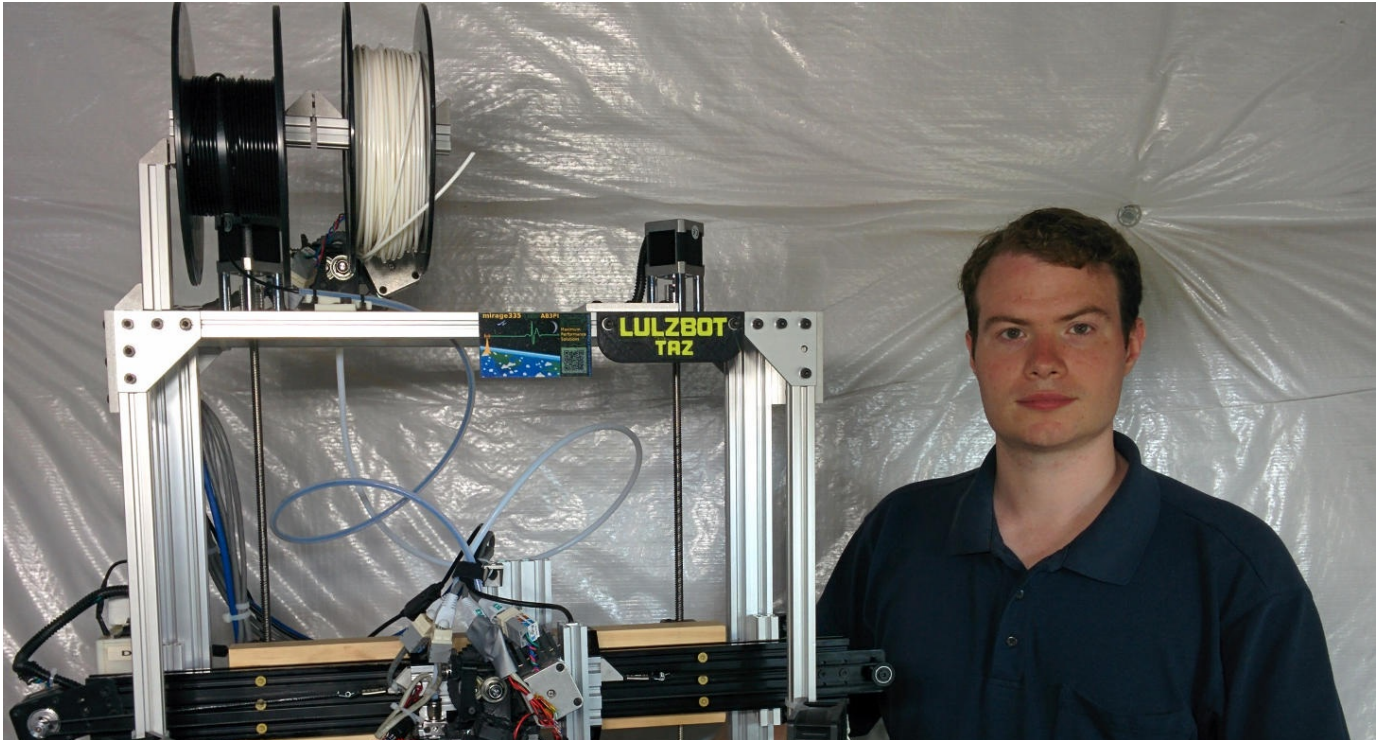


mirage335 autobiography

My strong interest is in deploying a self-expanding VR environment throughout uninhabited galaxies and most of the Milky Way, so we can all get the most out of life. Already on the frontier of working and living in VR, with >2k hours in headsets and among the first people in the world to get a prototype Pimax Vision 8kX headset. Have designed much hardware and software emphasizing complete 'out-of-the-box' FLOSS toolchains, and more is always underway. Also have a long track record of non-profit volunteer service, particularly with HacDC, The Capital Hackerspace.

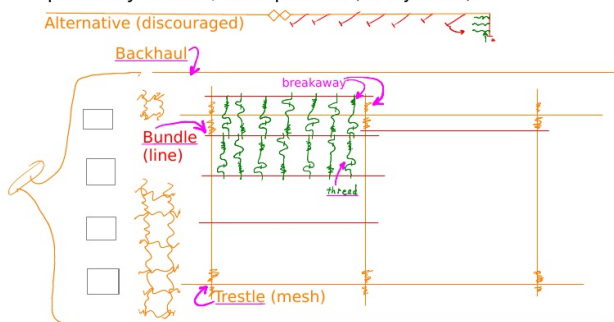
Name is Matthew "mirage335" Hines, also findable as "m335" (Discord servers, etc) and "AB3PI" (Amateur Radio).

<http://mirage335.member.hacdc.org>



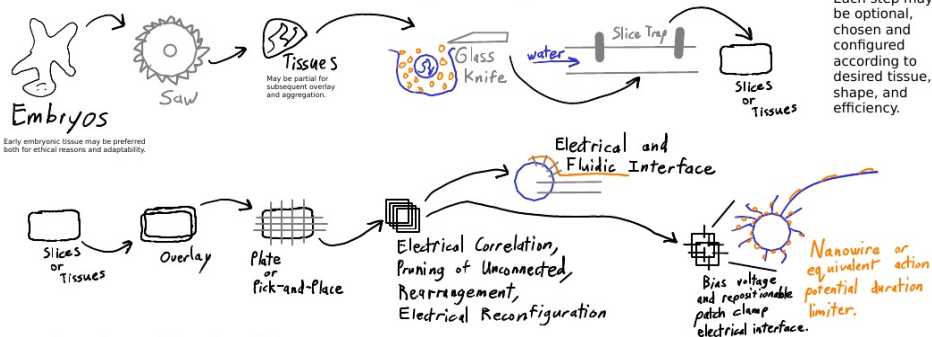
Thin threads are punched at breakway points by needle, then pushed (or injected).

Alternative (discouraged)

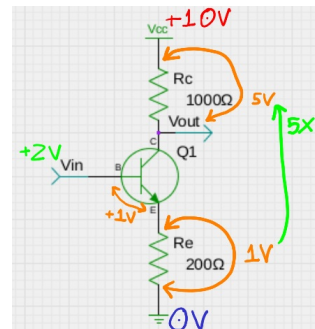


One piece only. Single sliced polyamide (or similar material) substrate for CMOS fab.

Automated, Fast - Extraction, Slicing, Dicing (of brain tissue)



Each step may be optional, chosen and configured according to desired tissue, shape, and efficiency.

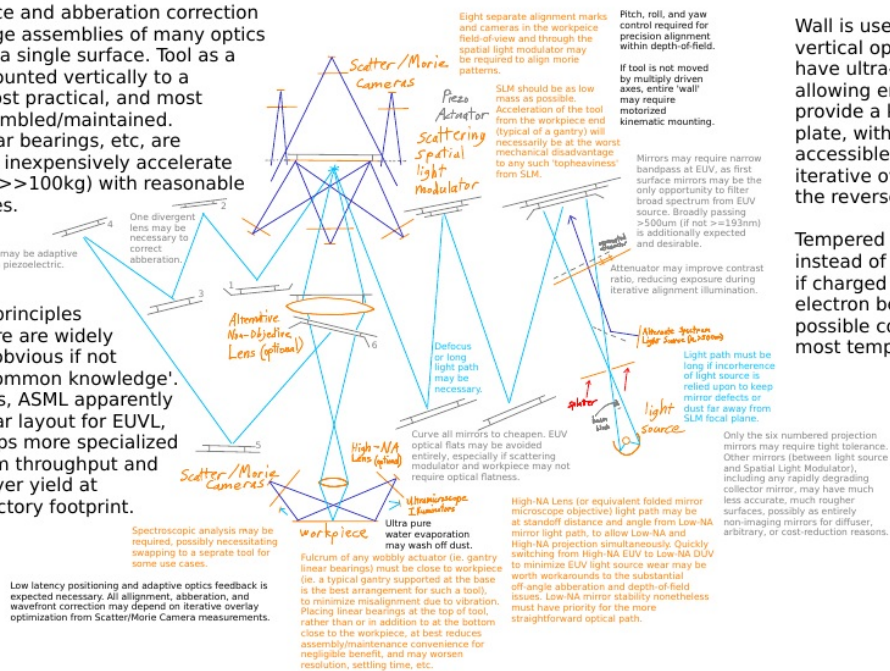


flatTool

Accelerating Wall of Large Heavy Optics

Mirror bounce and aberration correction imposes large assemblies of many optics mounted to a single surface. Tool as a flat table mounted vertically to a gantry is most practical, and most quickly assembled/maintained. Modern linear bearings, etc, are adequate to inexpensively accelerate such loads (>>100kg) with reasonable settling times.

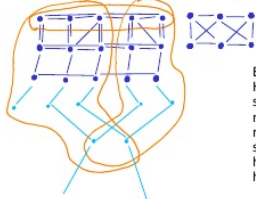
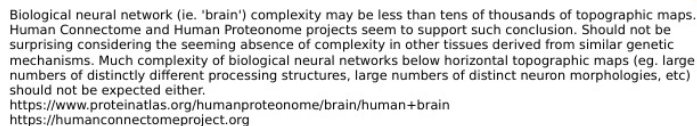
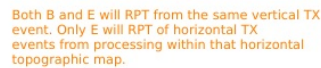
All working principles depicted here are widely known and obvious if not definitely 'common knowledge'. Nevertheless, ASML apparently uses a similar layout for EUVL, albeit perhaps more specialized for maximum throughput and complete layer yield at minimum factory footprint.



Wall is used as a dedicated vertical optical table, and may have ultra-fine-thread bushings allowing entire surface to directly provide a kinematic adjustment plate, with the adjustable screws accessible to stepper motors (for iterative overlay optimization) at the reverse side.

Tempered glass may be used instead of aluminum or invar alloy if charged particle deflection (ie. electron beam distortion) is a possible concern. Apparently most tempered glass is float glass.

Software Algorithm Flow



Usage

```
./consolidate_documents.bat
```

Some larger binary replacement documents (ie. some PDF files) may be written to '_bundle/' to avoid unintentionally adding large binary object output to git history. Move these files to the root of the repository when appropriate.

Design

Mostly uses 'scriptedIllustrator' . Some files may use resources from other files, using path variables defined by './zzLib_800-documents/consolidateVariables.sh' .

Reference

ACKNOWLEDGEMENT - Repository History

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