

Flashers – Printing Optical Lenses

(using stereolithography)

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Benefits:

- **Current methods limit** design complexity and customization of IOL's
- **Tailored Lenses** customized to patient's eye shape & vision needs
- **Faster Production** (quicker design, testing, and manufacturing) & reduced time between diagnosis and surgery
- **Complex Designs** (intricate lens shapes that were previously difficult to manufacture)
- **Cost Reduction** (decreased production cost of custom/high-quality lenses)
- **Compatibility with Imaging** (combine 3D printing & advanced imaging technologies to produce optimally fitted lenses, reducing adjustments/complications after surgery)
- **Material Innovation** (new materials with improved optical performance)



<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8320416/>