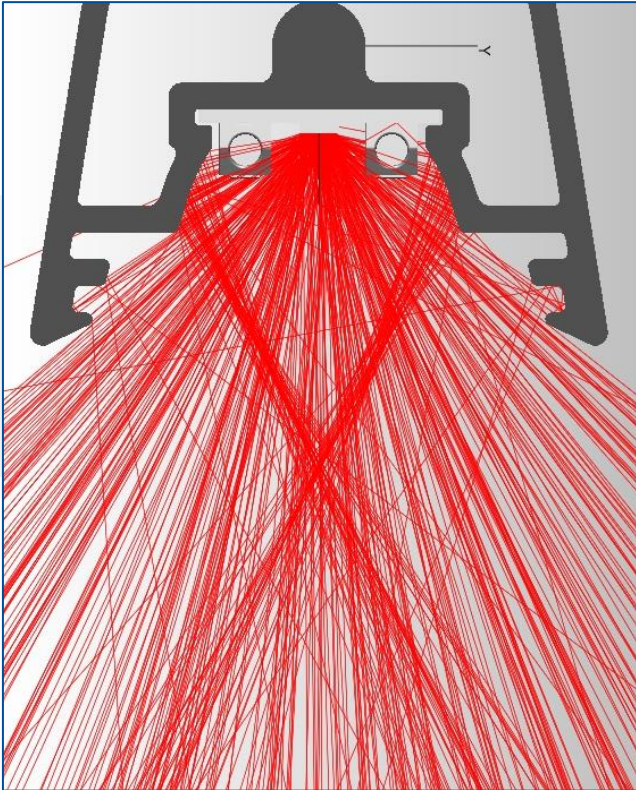




Your Specialist in Engineering & Manufacturing Plastic Optics

WE SUPPORT OUR CUSTOMERS FROM OPTICAL ENGINEERING & PROTOTYPING TO SERIAL PRODUCTION

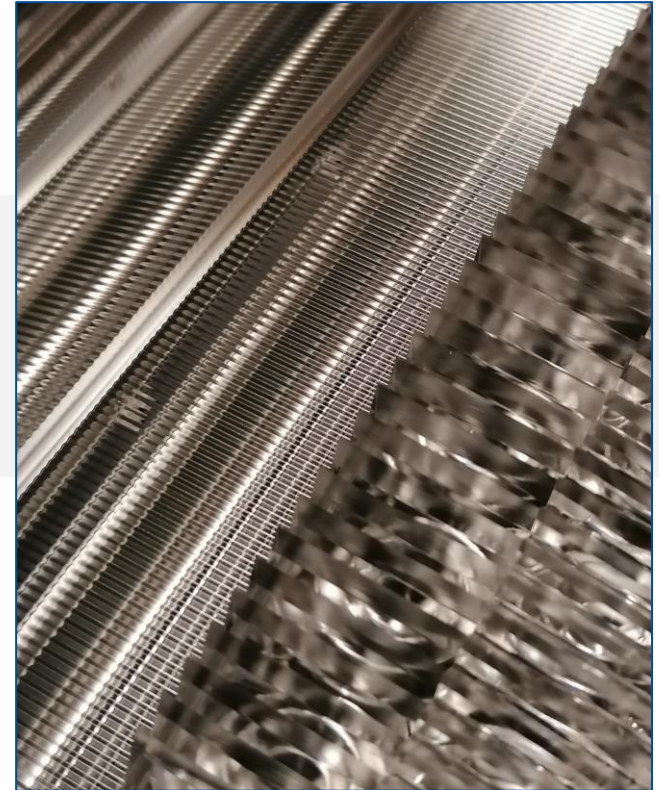
OVERVIEW



Optical Design

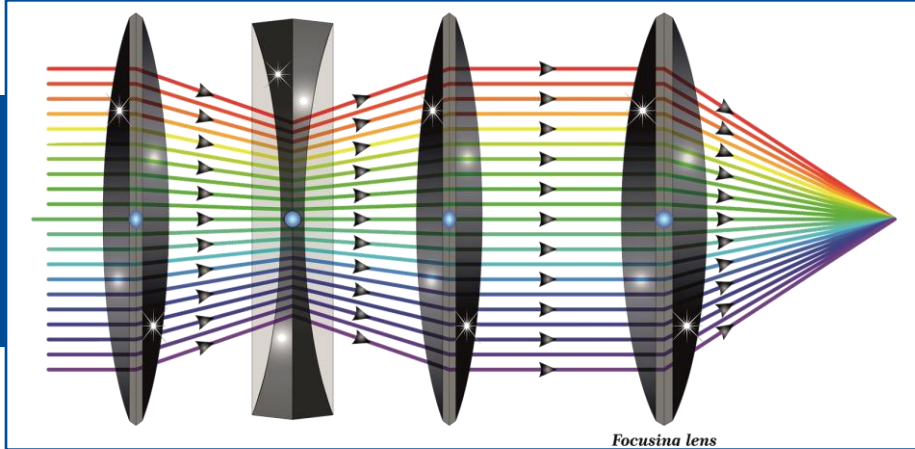


Prototyping

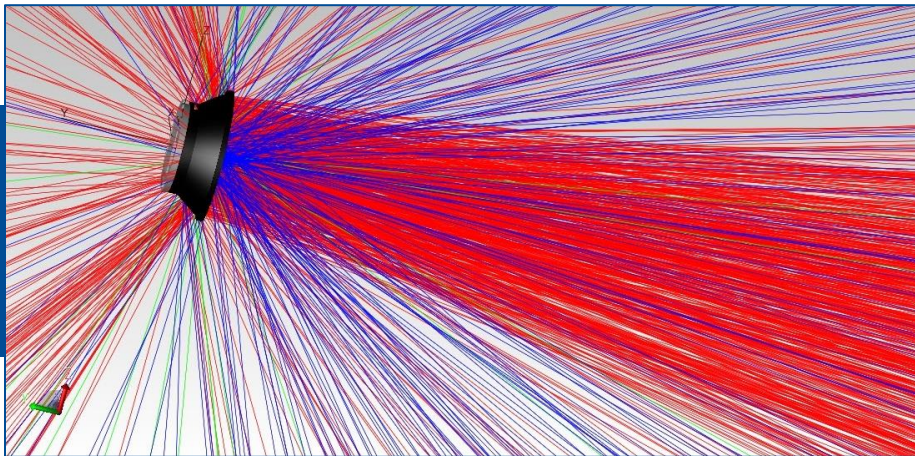


Serial Production

OPTICAL ENGINEERING



Whatever the scale of your project, we can support you in developing & engineering the most cost effective product solution. Projects can start at customers' initial conceptual idea, where we support on all aspect of product development, through to "make to drawing" production support.



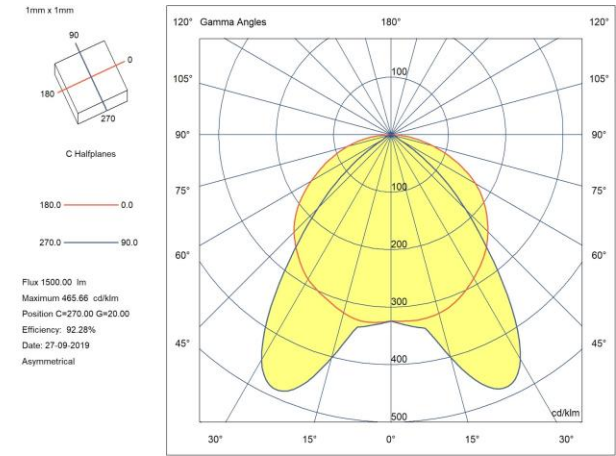
Optical Design
(ray tracing)



Feasibility
Studies



Design for
Manufacturing

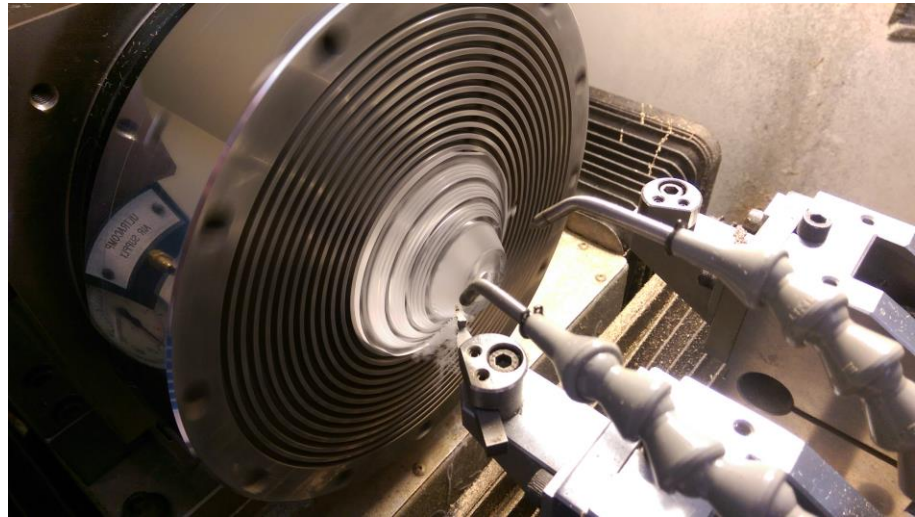


PROTOTYPING



Different manufacturing capabilities lead to an optical prototyped lens – **such as:**

- #1** Diamond Machining
- #2** CNC-machining & polishing
- #3** Vacuum Casting
- #4** Prototyping Tools



PROTOTYPING - EXAMPLES



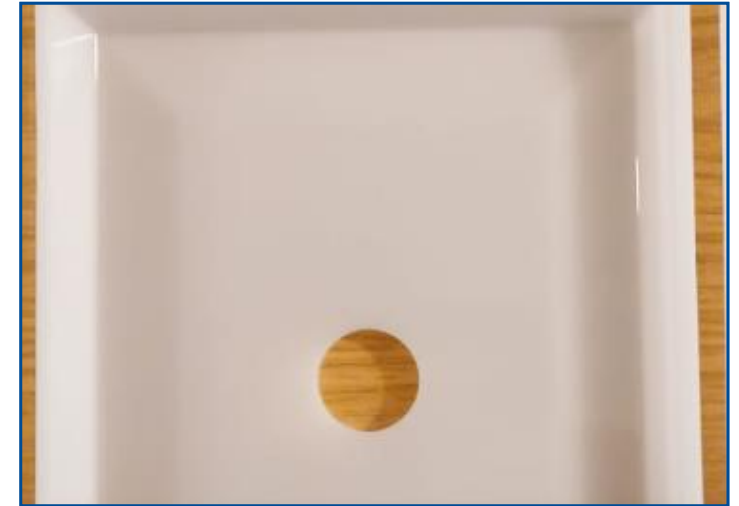
LED - Lens
(CNC-milled & polished)

#1



Imaging Lens
(diamondturned)

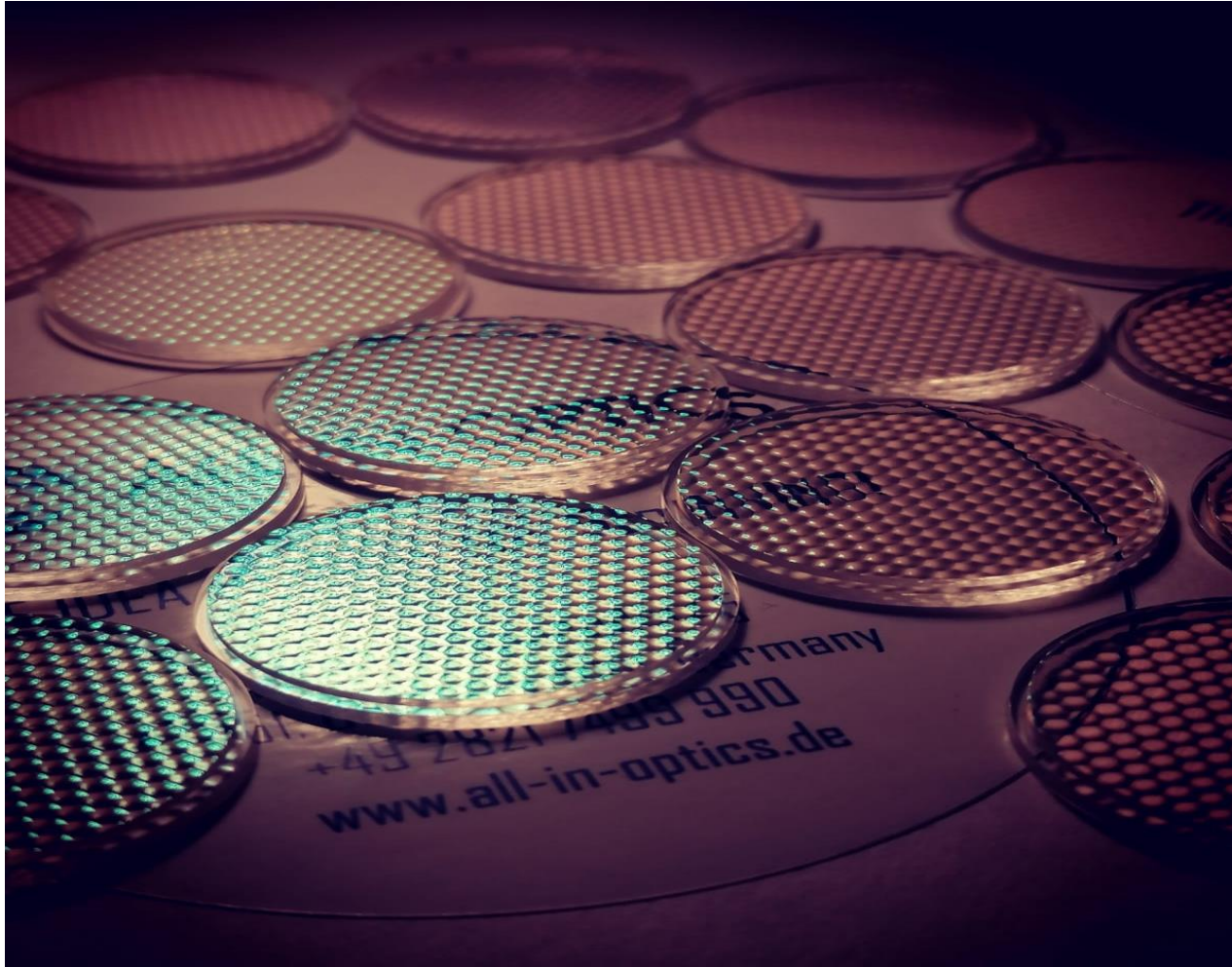
#2



Sensorcover (diffuse)
(vacuum-casted)

#3

SERIAL PRODUCTION



We are also able to offer serial produced parts on a scalable level

1 - 10.000.000 pieces?

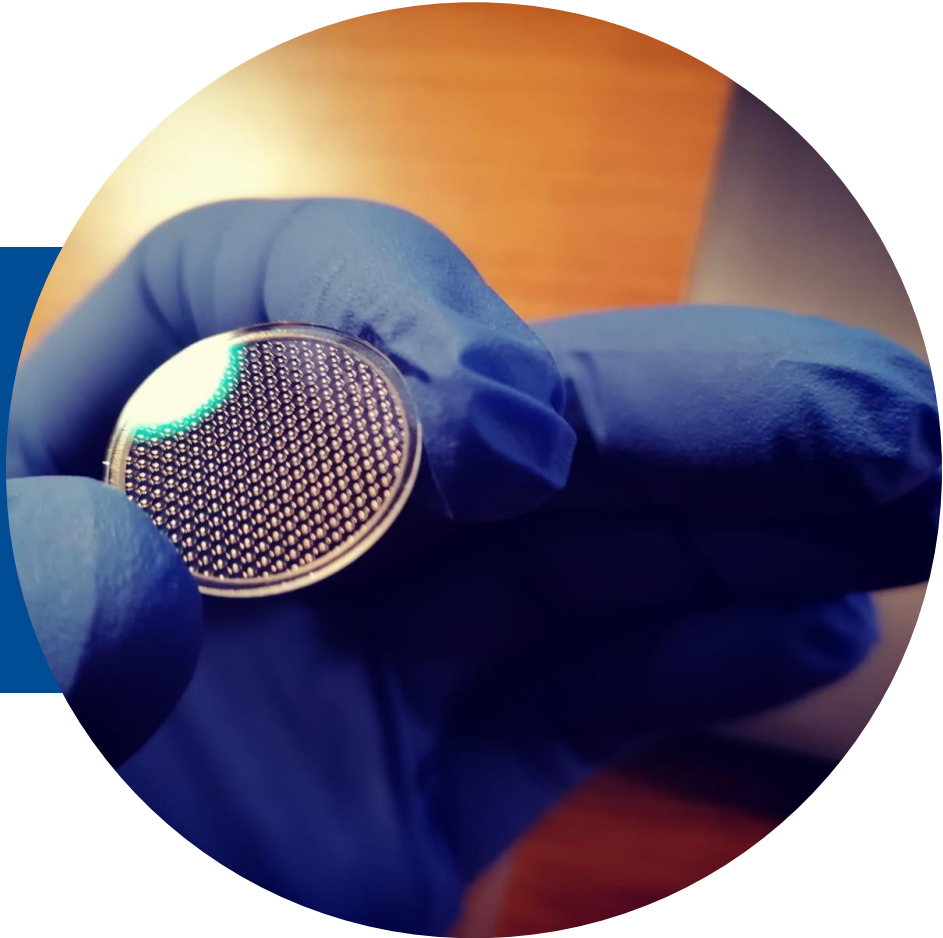
No problem with our strong network:

#1 Injection Moulding

#2 Extrusion

#3 Hot Embossing

OPTICAL COATINGS



- You want to tune the performance of your Lens?
- We've got access to PVD coating possibilities
- Apply coating to different lens materials:
- PMMA, PC, COC, COP, glass etc.

#1

AR coatings

#2

Reflective Coatings

#3

Anti-scratch
Coatings

#4

Other Coatings

Optical Design (ray tracing)



Prototyping

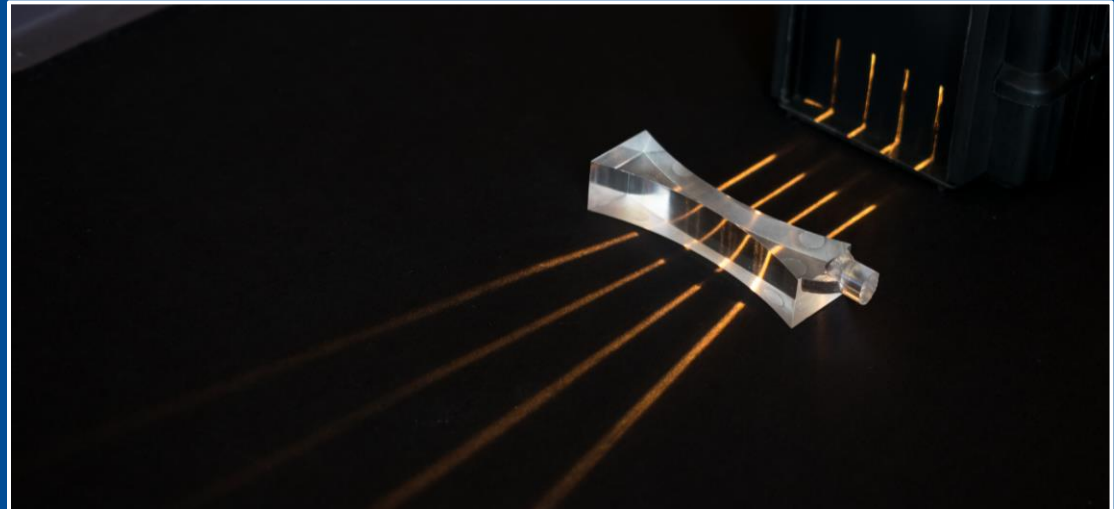


Serial Production

Full Service Provider in Optics:

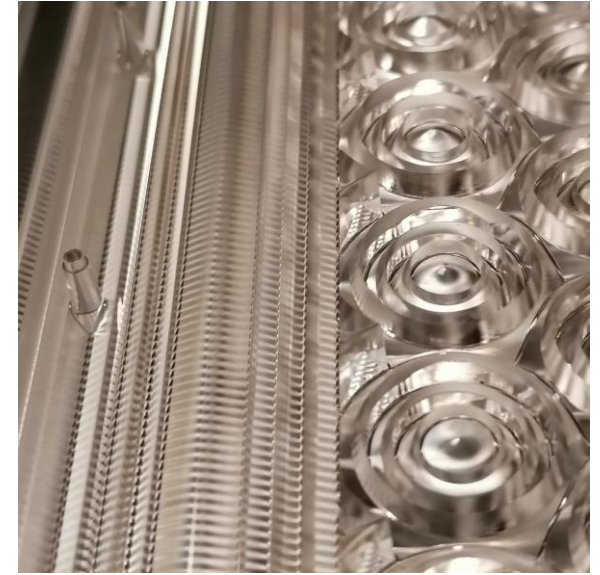
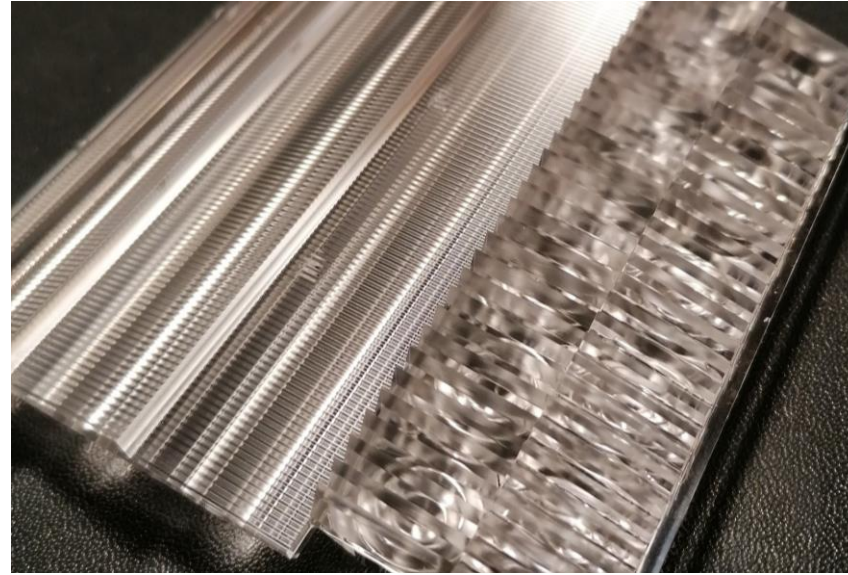
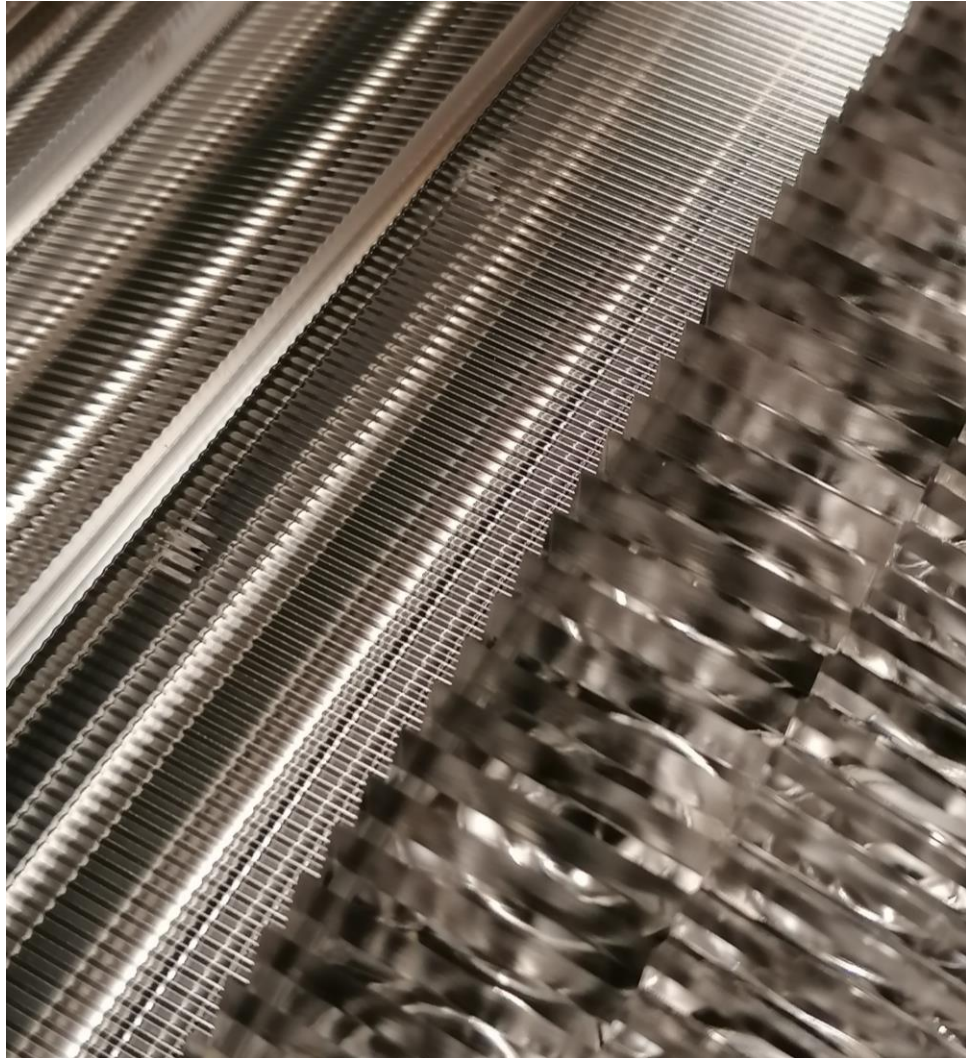
- Optical Design
- Prototyping
- Serial Production
- Optical Coatings

EXAMPLE PICTURES



EXAMPLE PICTURES

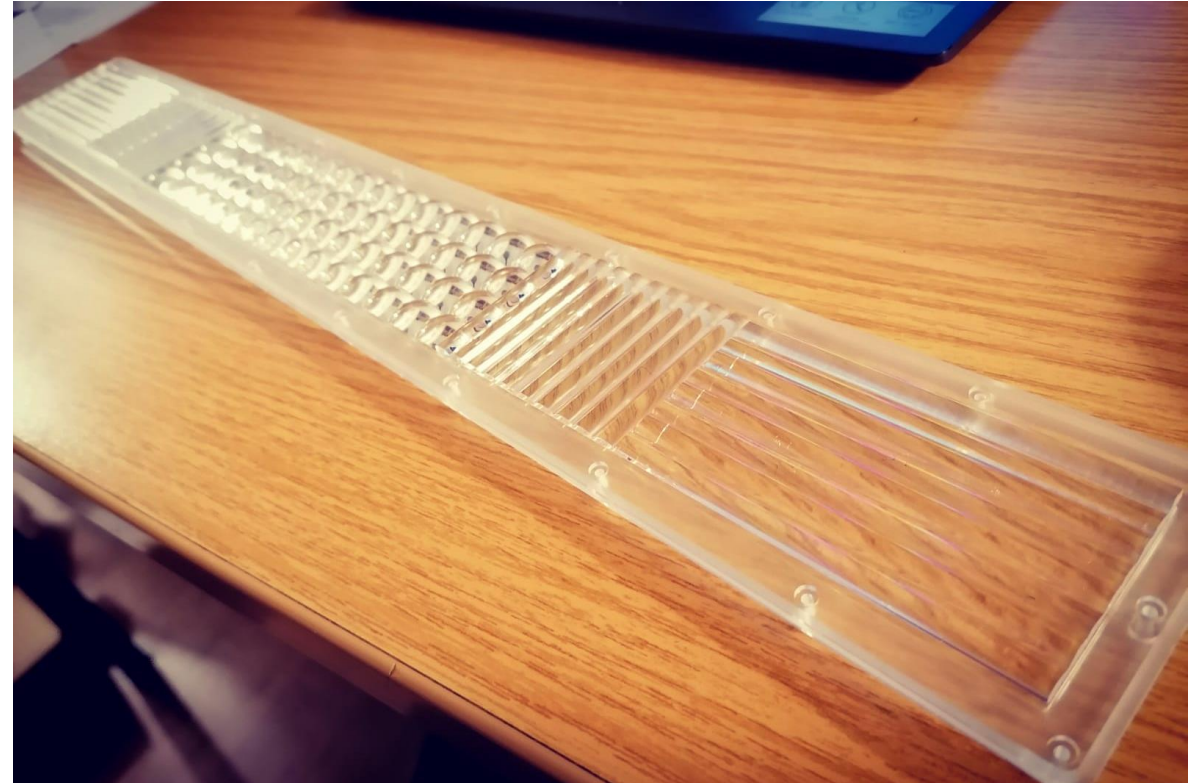
Lighting – Prototyping Lens – size: 200mm x 200mm



EXAMPLE PICTURES



Lighting - Fresnel Lens - 900mm diameter




Horticulture Lens - 600mm long

CONTACT US

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