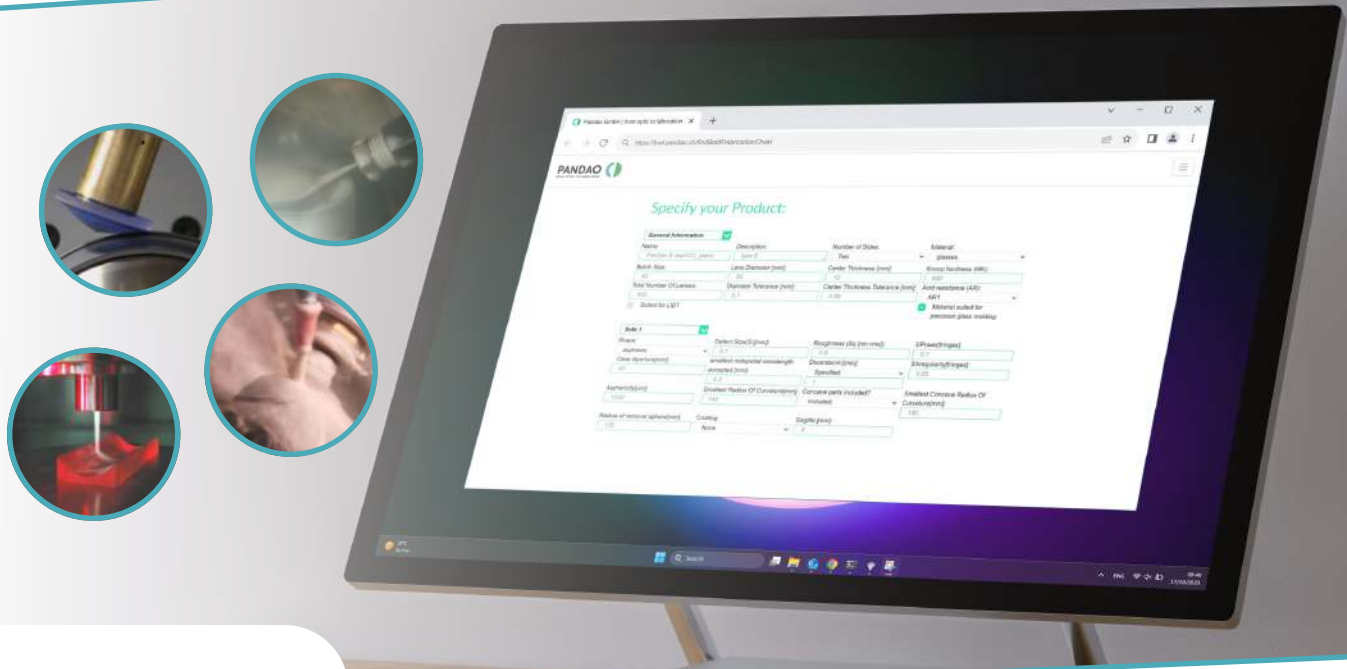


Optical Fabrication Costs Made Simple



PanDao™

The PanDao tool is a whole new kind of software, which simulates the fabrication chain out of the design data

Why choose PanDao?

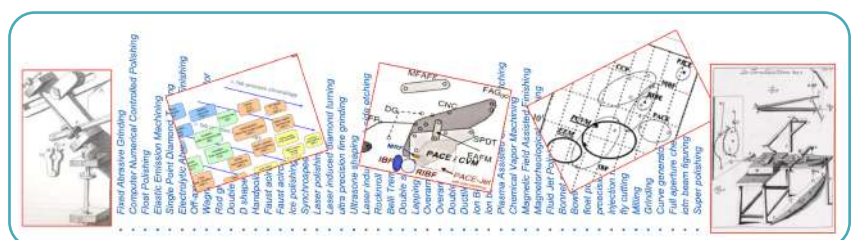
Cuts development time and reduce the costs of fabrication chains

- Instant fabrication cost and risk information
- Supports negotiations with suppliers
- Supports supplier audits
- Optics products competitiveness analysis
- Supports capacity steering in fabrication

Software Features

Get optimal fabrication chains and associated costs estimation

- Input lens data in ISO10110
- 360 optical fabrication and testing techniques
- Industrial and academic data clouds
- Optimal fabrication chain at minimum risk and cost
- Fastest fabrication chain



Customized For

OPTICS DESIGNER

- Create cheaper products
- Design for manufacturability
- Connect your design to fabrication

EXECUTIVE MANAGEMENT & CONTROLLING

- Get more transparency
- Reduce risk of project
- Let optical design and manufacturing cooperate

OPTICAL ENGINEER

- Reduce risk of project failing
- Minimize fabrication risks
- Get details about needed manufacturing technologies

PURCHASING MANAGER

- Audit and choose suppliers better
- Negotiate cheaper prices
- Get technology insights for audits

Licensing Models

COMPANY-WIDE LICENSE

Purchase a package including a fixed number of PanDao requests. This package is not personalized and can be used company-wide and in parallel.

SINGLE USER LICENSE

It contains an unlimited number of requests. This single user license is personalized and not transferable to other users.

DESIGN TO FABRICATION SERVICE

Send us your lens specifications, and we will, NDA protected, analyze your design for optimal producibility at minimum fabrication cost.

Typical Case Studies

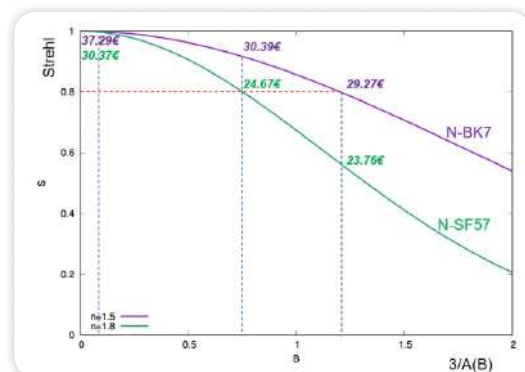
- N-BK7 Asphere 200mm, estimate by form error (λ)

Resulting most cost-efficient fabrication chain:
 Estimate for $\lambda/2$
 Side 1:
 • cnc sub aper
 • fabrication cost
 • cnc sub aper
 • fabrication cost
 • ccp wheel po
 • fabrication cost
 Cost 115.71€
 Capability factor:
 Chain uniqueness:
 Total fabrication c
 Serial batch lead t

Resulting most cost-efficient fabrication chain:
 Estimate for $\lambda/5$
 Side 1:
 • cnc sub aper
 • fabrication cost
 • cnc sub aper
 • fabrication cost
 • ccp wheel po
 • fabrication cost
 • ccp magneto
 • fabrication cost
 Cost 146.21€
 Capability factor:
 Chain uniqueness:
 Total fabrication c
 Serial batch lead t

Resulting most cost-efficient fabrication chain:
 Estimate for $\lambda/10$
 Side 1:
 • cnc sub aperture rough grinding
 • fabrication cost: 8.00€
 • cnc sub aperture grinding
 • fabrication cost: 27.45€
 • ccp bonnet
 • fabrication cost: 88.14€
 • ccp ion beam figuring
 • fabrication cost: 39.54€
 Cost 163.12€
 Capability factor: 0.972
 Chain uniqueness: 0
 Total fabrication cost 163.12€
 Serial batch lead time: 2.0417 days

- N-BK7 OR N-SF57 Asphere 40mm, estimate by Strehl number



About Us

ANAX Optics was established in 2022 as design and provider of Micro Lens Array (MLA). We provide optical system design and fabrication methods, collaborating with international ultra-precision manufacturing partners.



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