



NEW Product Alert !

Corning® Varioptic® Lenses Introduce an Innovative Variable Focus and Astigmatism Lens



Corning® Varioptic® Lenses is excited to unveil the latest addition to our product line :

– **a variable focus and astigmatism lens.**

This innovative liquid lens is engineered with a novel 8 electrodes design.

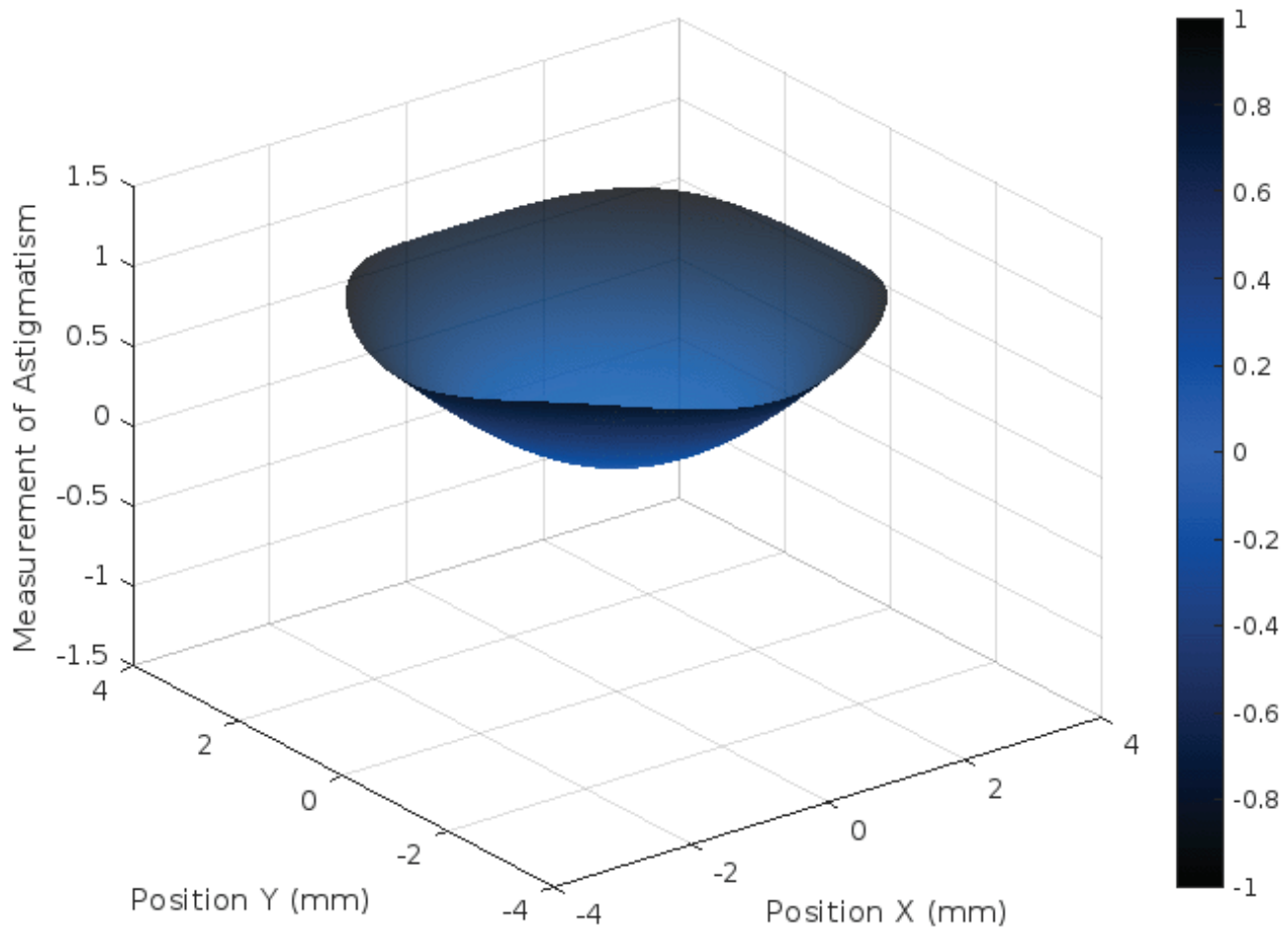
The additional electrodes provide the lens with novel functionalities, expanding its capabilities beyond sphere variation. Now, it's possible to fine-tune astigmatism and axis by regulating the voltage, all without the need for any moving parts.

Key Features :

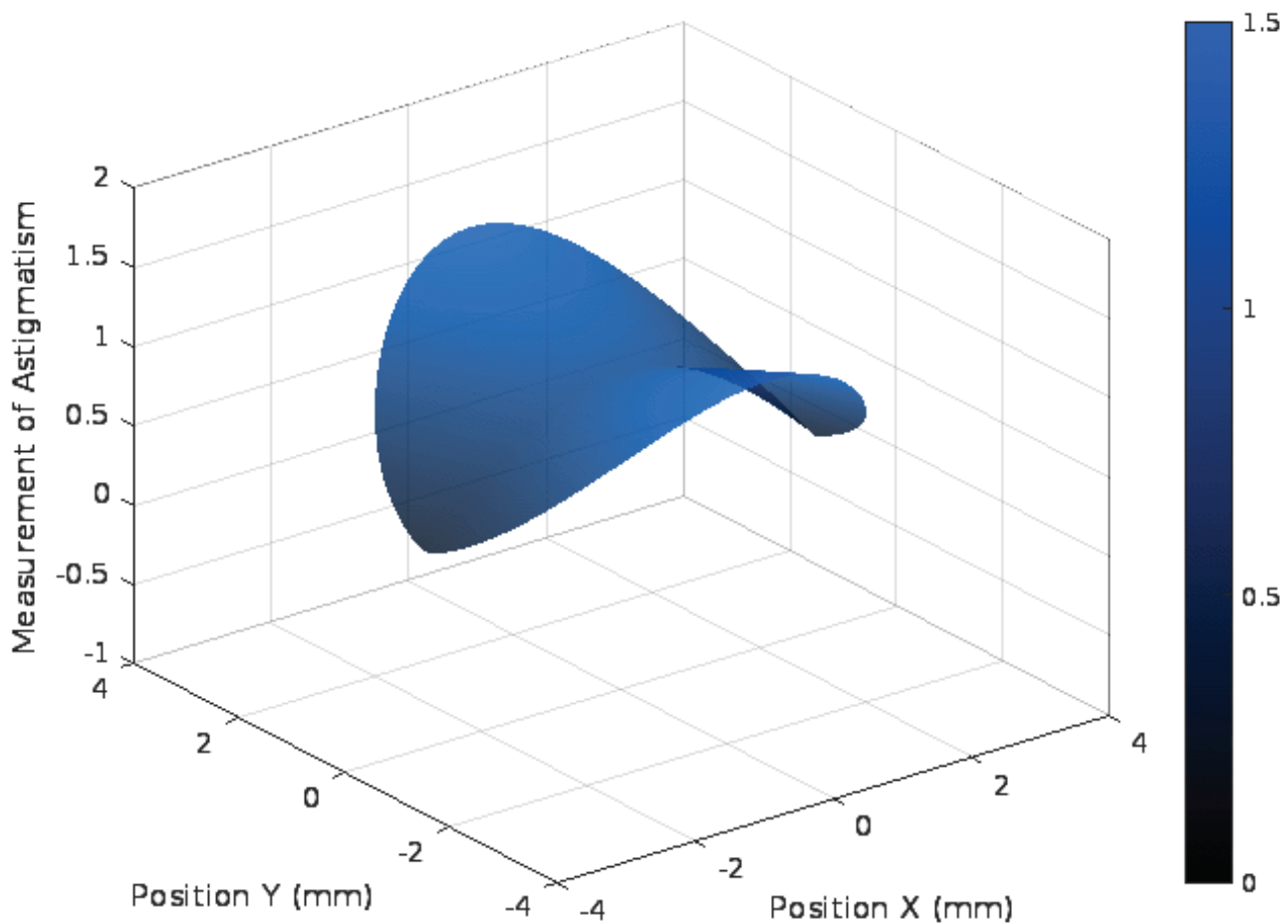
- **8 mm** clear aperture
- Up to 24 diopters of spherical power
- Up to 5 diopters of cylindrical power
- Combined sphere, cylinder, and axis variation
- Easy to integrate
- Silent
- Without moving parts or internal heating



Technology :



Variable Sphere Only

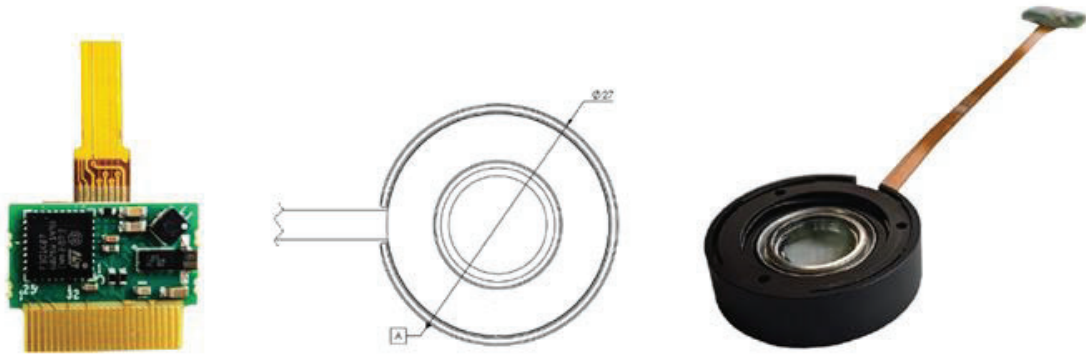


Breakthrough technology ! Sphere and Cylinder Variations

High integration level : V-PE-80R0-07

This new liquid lens platform benefits from the recent developments available with the A-PE series. It comes as a calibrated lens, complete with an integrated driving board, allowing control through simple commands of sphere, cylinder, and axis values.

The product is designed to reduce integration and development efforts on the user's side. It can be easily operated through its I²C / RS 232 interface.



Performances at 25°C :

Useful aperture at 0° field of view	8 mm
Sphere only optical power	-12 ... +12 diopters (m ⁻¹)
Sphere optical power range using cylinder	-6 ... +6 diopters (m ⁻¹)
Cylinder optical power range	-5 ... 0 diopters (m ⁻¹)
Transmission at 587nm	96%
Operating temperature	from 10 to 35°C

Learn More about our newest variable focus and astigmatism lens section.

This new technology will be presented for the first time in **San Francisco, CA** this year during :

- BiOS: Jan 25- 26, 2025- San Francisco, CA (Booth #8240)
- SPIE - Photonics West: Jan 28- 30, 2025 - San Francisco, CA (Booth #1533)

We look forward to meeting with you at BiOS and Photonics West 2025 to discuss your optical system design challenges and discover if Corning Varioptic's Lenses could be a solution for you.

For more details about our products or technology, or to schedule a meeting in our booth, please contact us at variopic@corning.com

If you cannot visit the Photonics West, come find us at the other upcoming industry events including:

- SPIE Defense + Commercial Sensing : Apr 13-17, 2025 - Orlando, FL **(NEW)!**
- Automate : May 12-15, 2025 – Detroit MI **(NEW)!**

See BIOS' floorplan : [click here](#)

See Photonics West's floor plan : [click here](#)

Also register for our webinar in march : [click here](#)



CORNING | Varioptic® Lenses

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San Francisco, CA

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For any sales or technical related questions please contact us at:

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