

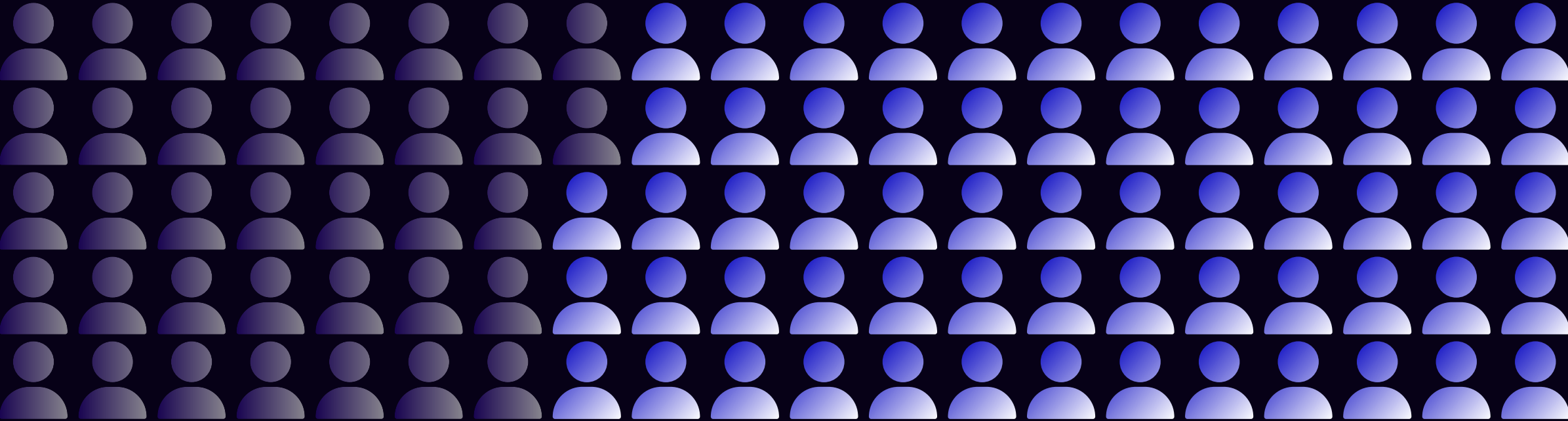
Oxford
Optical

Prescription on-demand

Rob Stevens, CEO



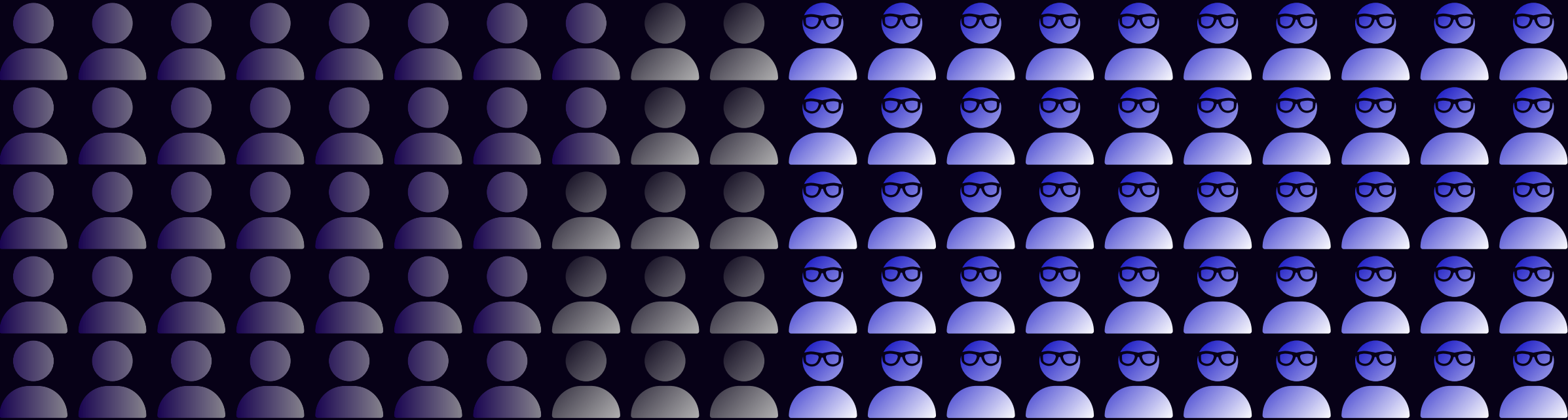
The US market and the need for correction



37% NO CORRECTION NEEDED

63% SIGNIFICANT Rx

The US market and the need for correction

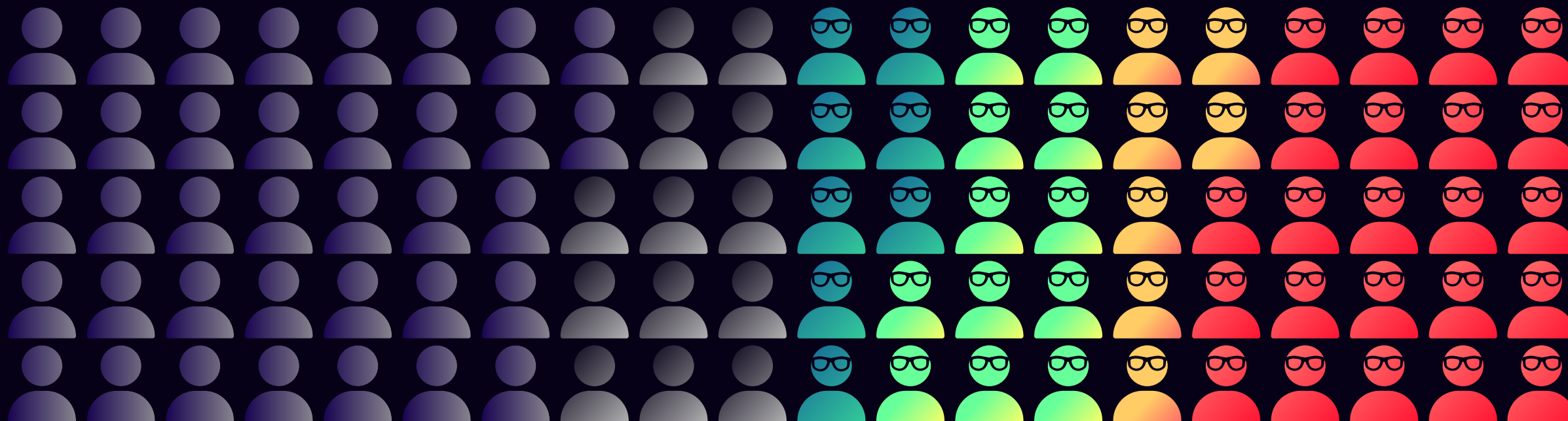


37% NO CORRECTION NEEDED

13% CONTACT LENSES

50% WEAR GLASSES

The diversity of a full prescription correction



8-20% SPHERICAL & PD ONLY
 $\leq 0.5D$ ASTIGMATISM
(NOTWITHSTANDING COMFORT)

30% $\geq 0.75D$ ASTIGMATISM

23% $\geq 1.00D$ ASTIGMATISM

50% DO NOT WEAR GLASSES

50% WEAR GLASSES



**An
approximate
correction
destroys
performance**

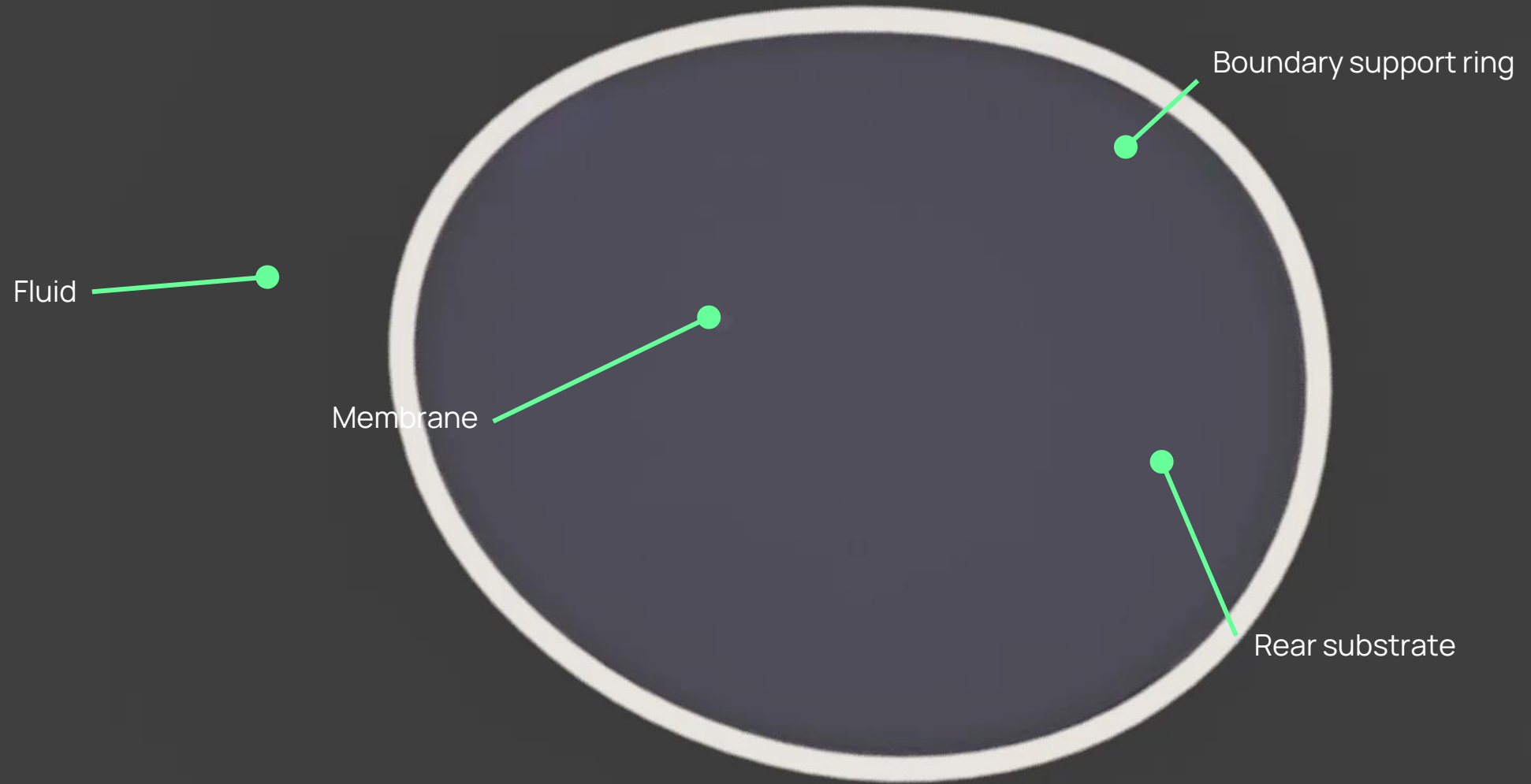
**0.5D
refractive
error results
in limited
perceived
resolution
of ~13 PPD**



Tens of thousands of permutations, per eye!

Spherical powers
×
Cylindrical powers
×
Axes (0-180°)
×
Prisms & Lens Centration
×
Product Eyeshape

OO-Adaptive Fluid Lens Platform



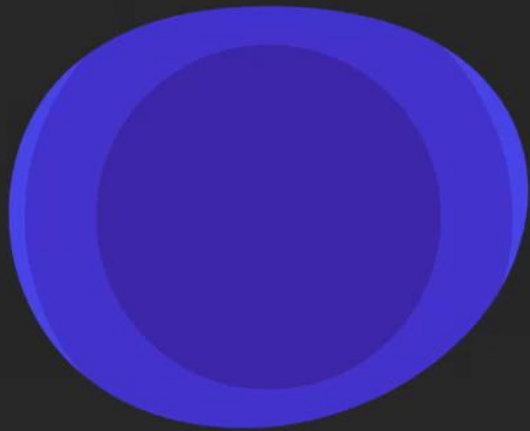
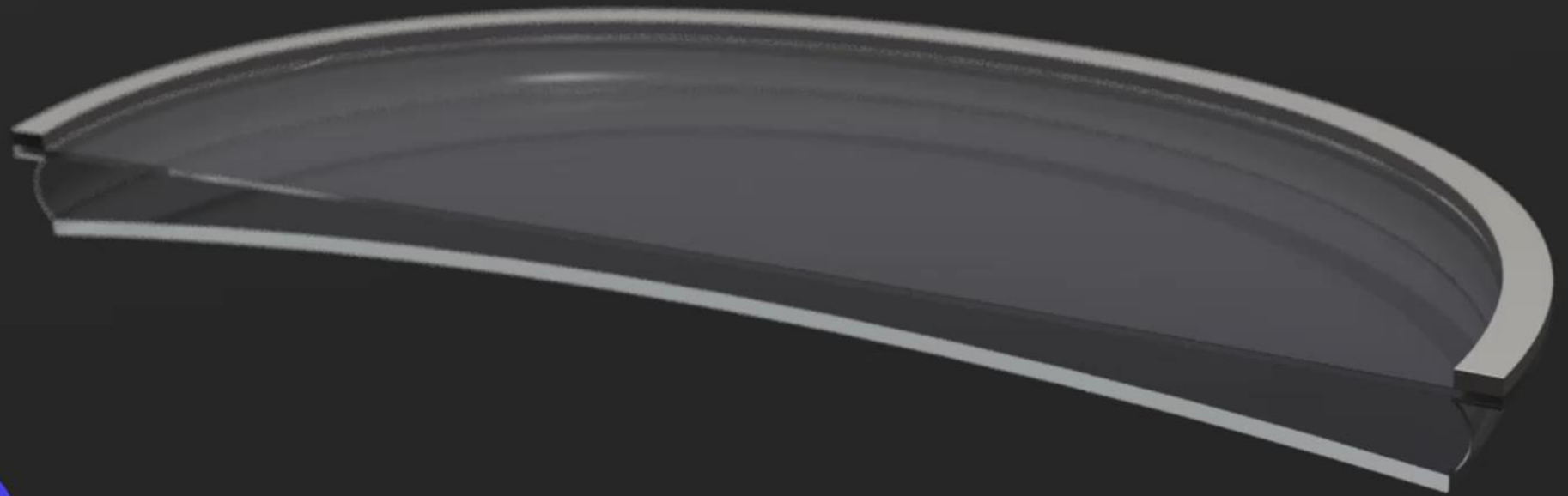
The Fluid-prescription lens

Spherical Power Adjustment in a non-round lens

SPH -3D

CYL 0D

AXS 0

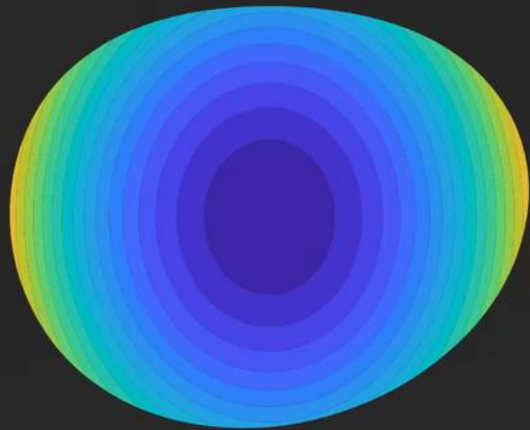
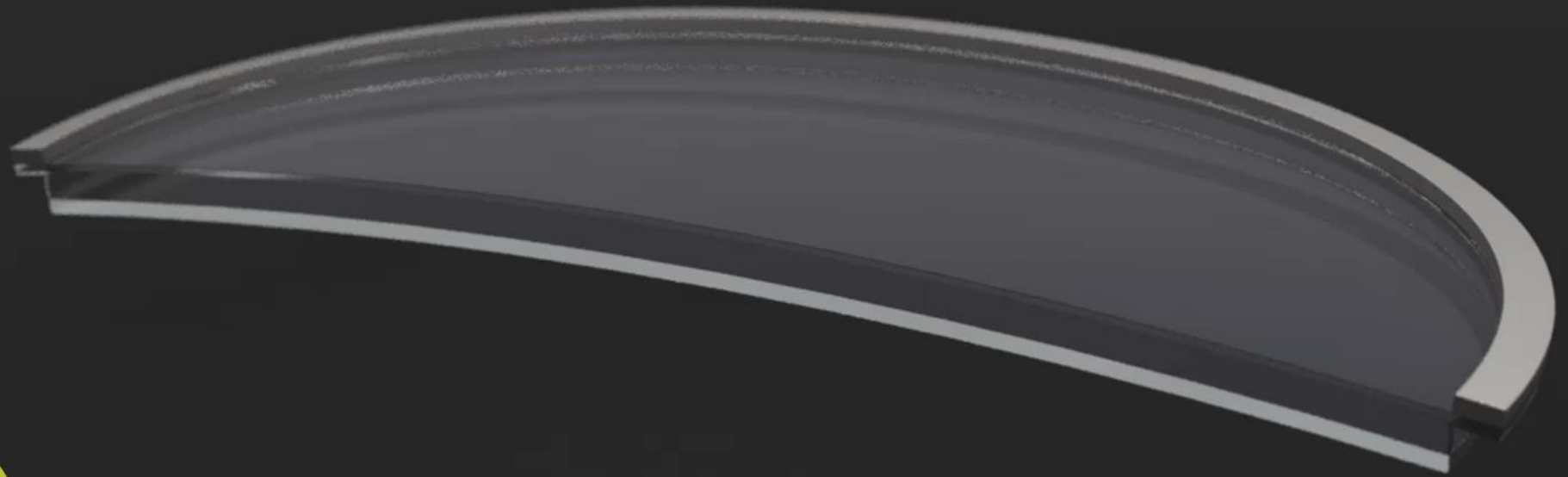


SAG MAP

The Fluid-prescription lens

Astigmatic Cyl Power Adjustment in a non-round lens

SPH 0D
CYL -1D
AXS 0

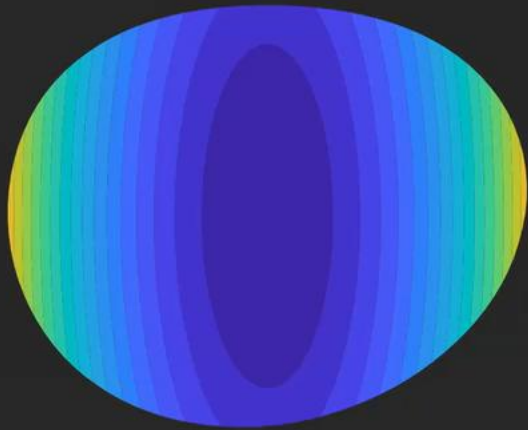
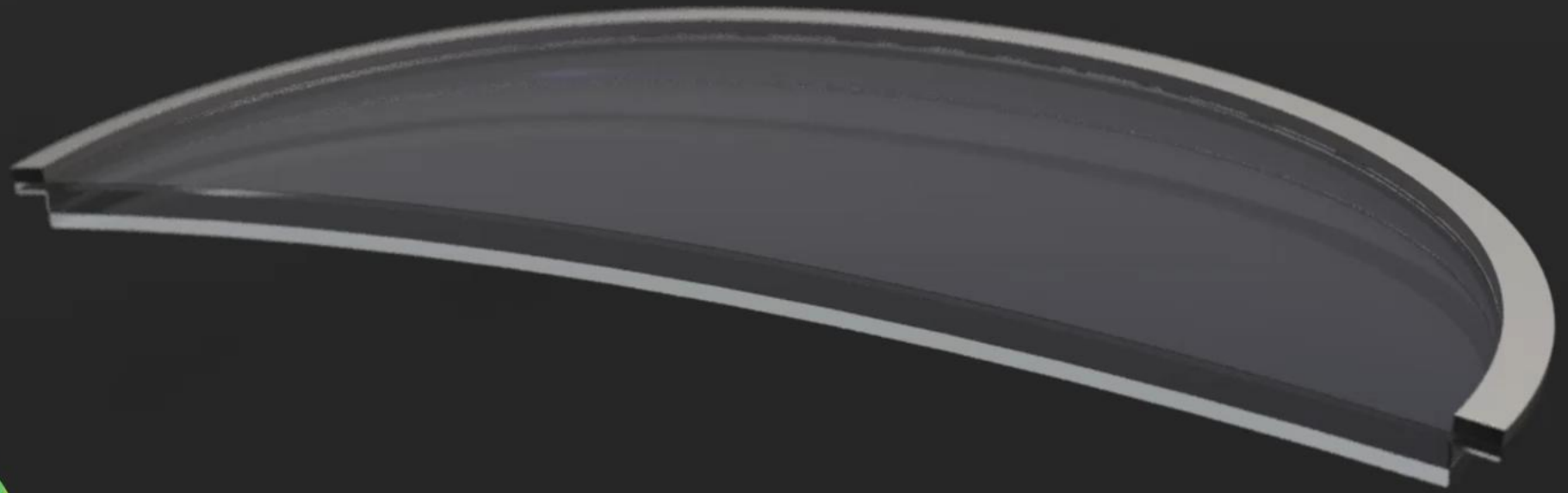


SAG MAP

The Fluid-prescription lens

Astigmatic Axis Adjustment in a non-round lens

SPH 0D
CYL -3D
AXS 0

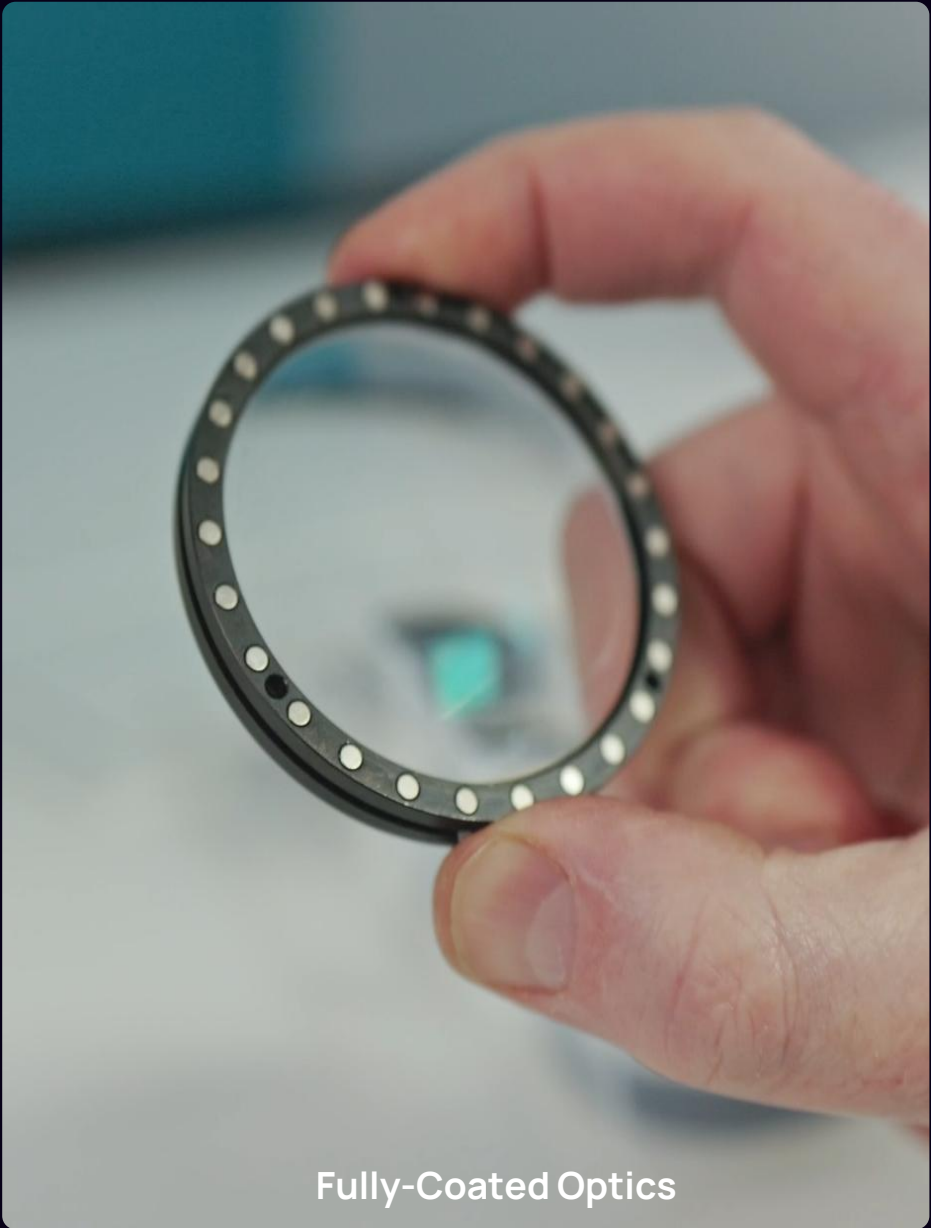


SAG MAP

Non-round Fluid lens performance

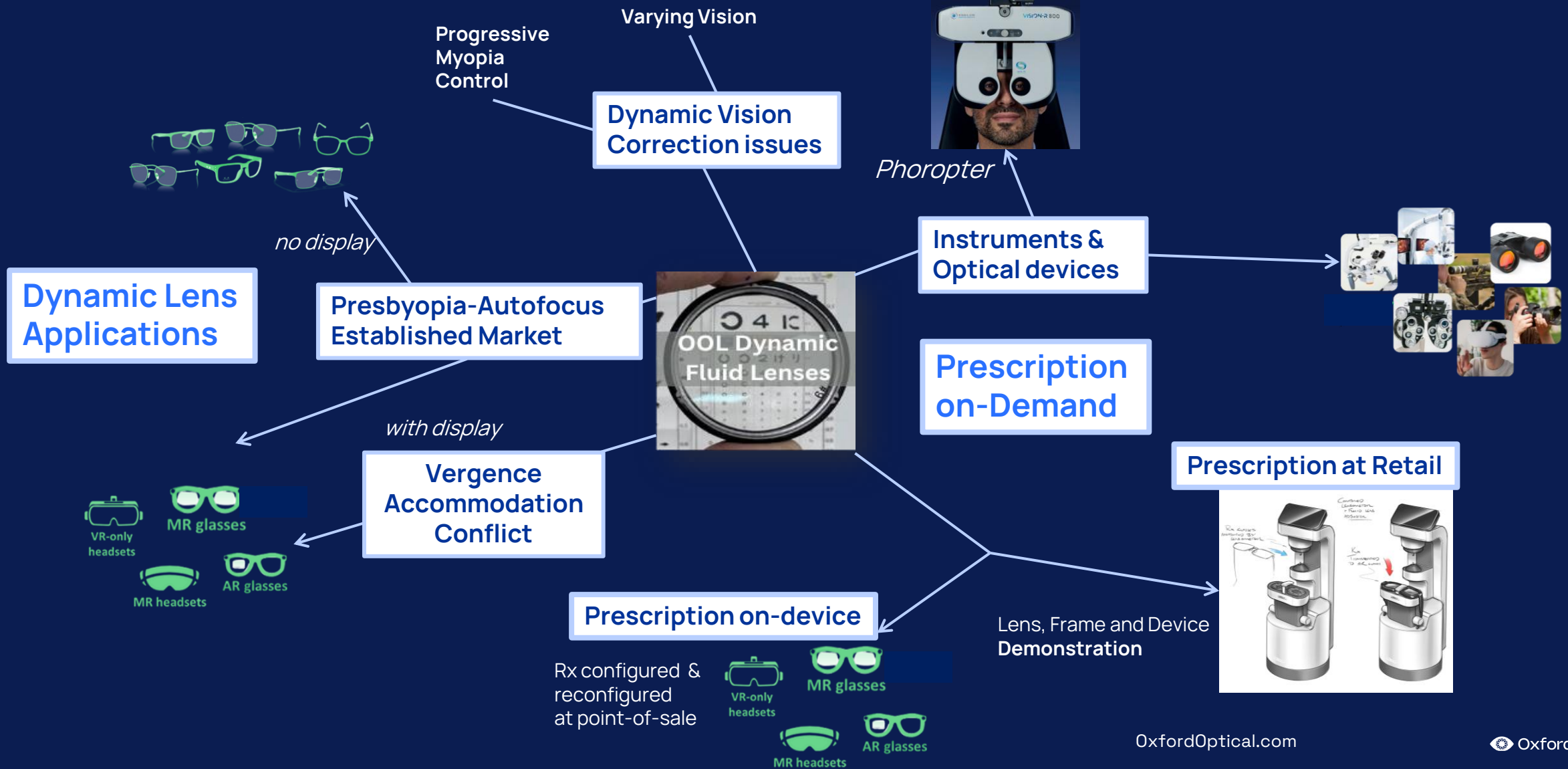
	Fluid lens specs
Weight / Thickness	Comparable to prescription inserts Eyewear size & shape
Form-factor	
Reflectance (Full AR)	< 1% / 0.25% - With /without hard coating
Transmission	> 98% / > 99% - With /without hard coating
Haze	< 0.5%
Prescription range	SPH: -8D to +4D CYL: up to -2.5D at all axis PD: 55 to 71mm <i>adaptable to desired application</i>
Optical performance	Meets ophthalmic ANSI & ISO tolerances

Fluid lens mass includes, fluid, fixed lens mass and boundary setting mechanics.
No actuation on device. Metrics compared on identical lens shape

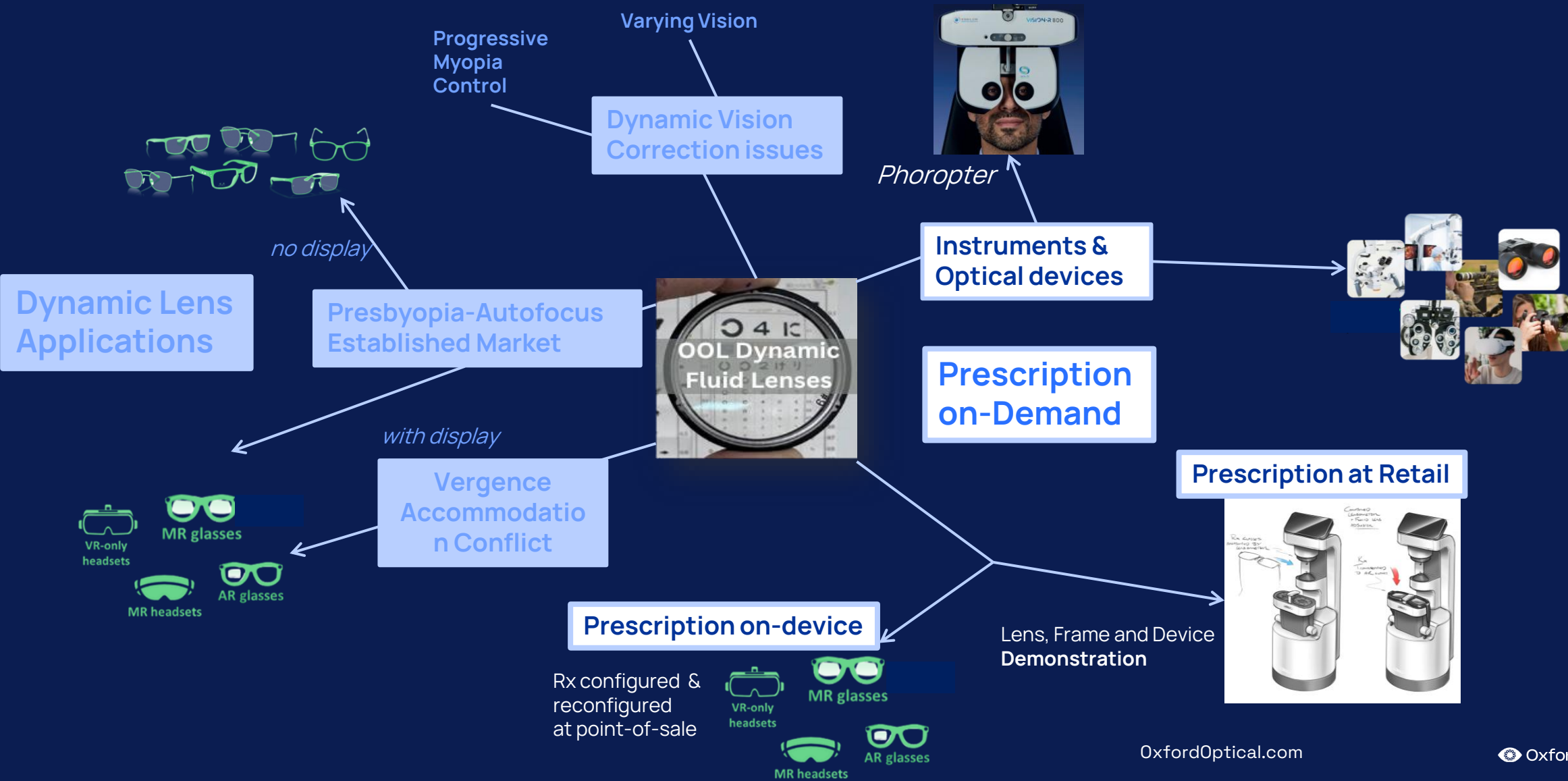


Fully-Coated Optics

Applications of the Platform:



Prescription-on-demand applications:



Prescription On-Demand is necessary for XR product adoption & lifetime



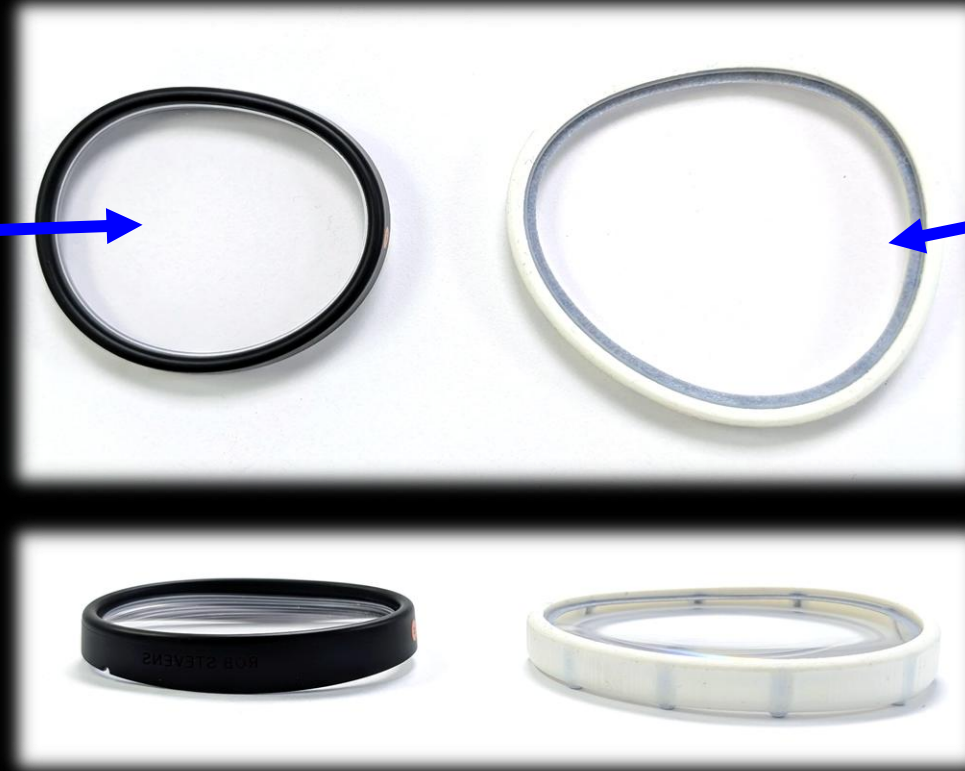
This cannot be achieved with inserts!

Applied to prescription inserts...

Current fixed lens insert
(delivered to customer after sale)



Single Prescription



Oxford Optical's Adjustable module
for product demo
(configurable in moments)

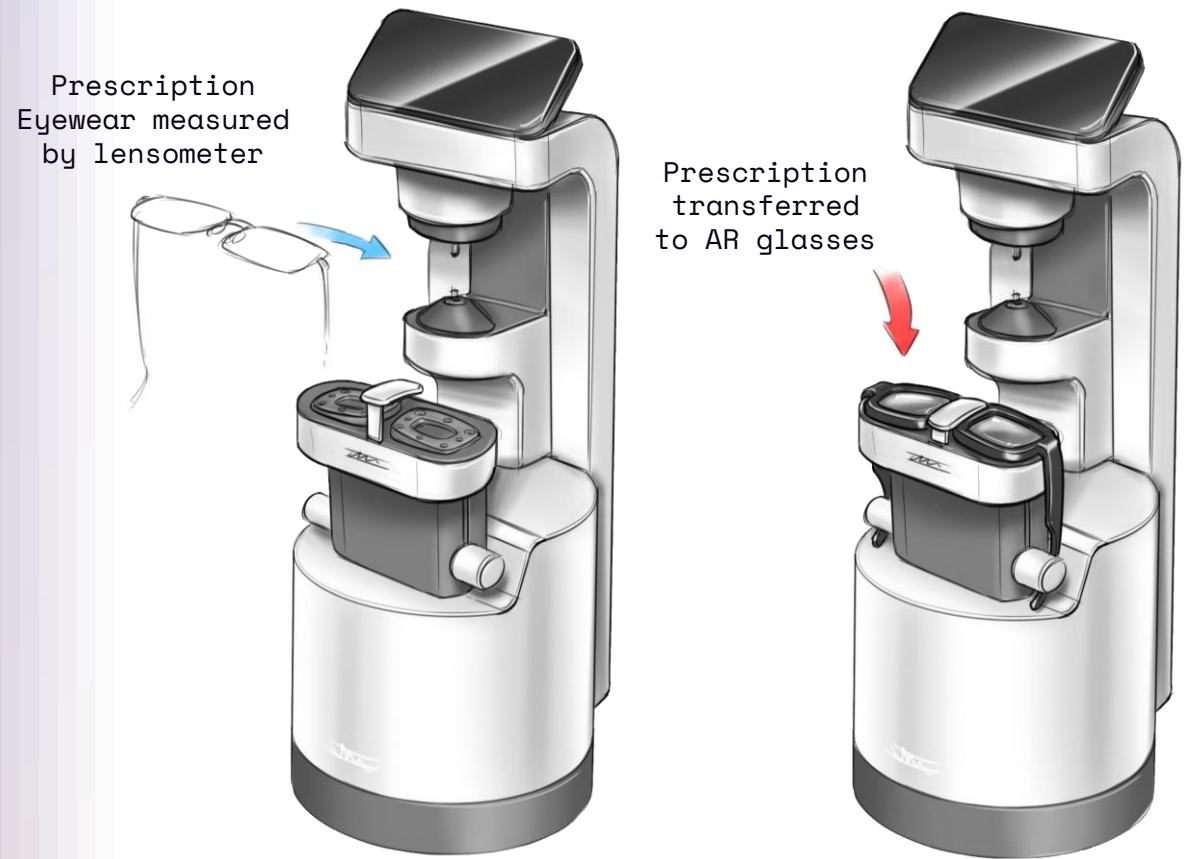


~100,000
Prescription
Permutations

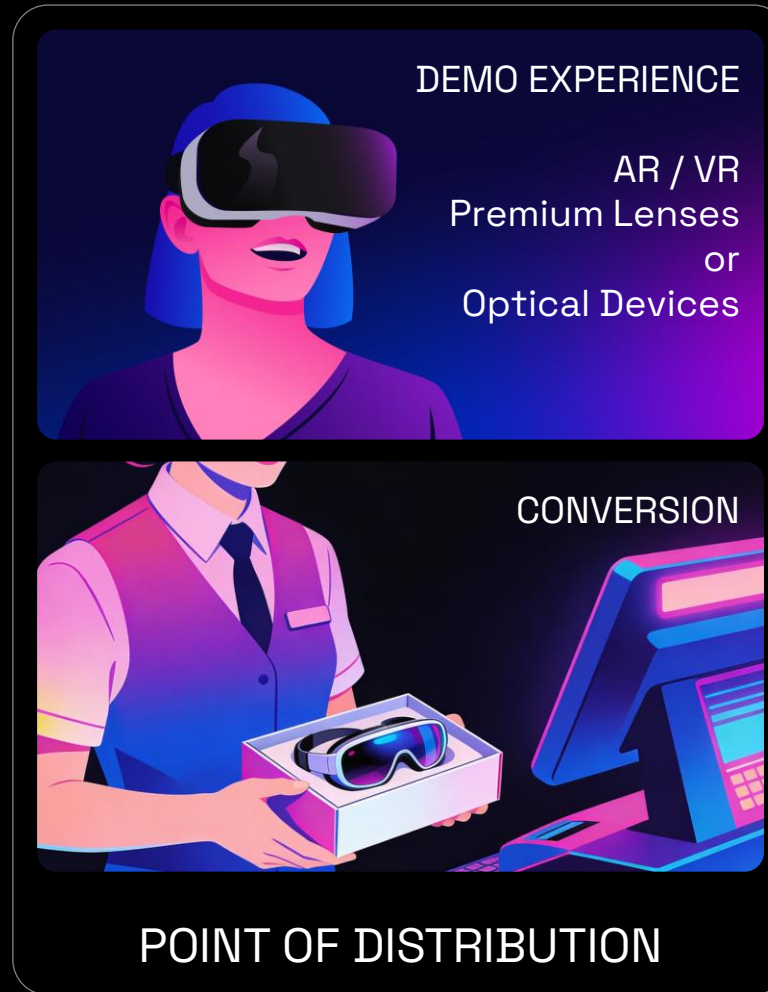
Retail Locations ▪ Enterprise ▪ Location-based entertainment

One System

Integrated spectacles measurement for obtaining Rx with subsequent device setting



Prescription On-Demand is as a **retail** **demo**



\$ Value

Uplift in sales
(from greater number of higher
quality demonstrations)

x

Lifetime Value of Users
(Product & Services)

x

Locations

Prescription On-Demand when *integrated* into smart eyewear



Additional \$ Value

Adoption & advocacy
(service to reset the Rx)

x

Uplift in Services

+

Market Growth Uplift
(Decreased net-cost
of ownership, resale value)

x

Increased Product
Service Life

x

Lifetime Value of Users
(Product & Services)

Our vision for the future...

For more information, reach out...
hello@OxfordOptical.com

One System

Integrated spectacles measurement for obtaining RX with subsequent device setting

