



# 3D VISION

**INDIVIDUAL  
PROGRESSIVE**



LATEST INDIVIDUAL LENS DESIGN  
FOR ALL VISUAL NEEDS

# The next development step in Progressive lenses

Free-form technology is a logical extension of Design by Prescription.

***Nova 3Di uses high-tech computer-aided ray tracing technology*** to deliver the most advanced progressive-lens technology in the market.

It allows to incorporate specific design onto a lens blank without having to compromise visual acuity, as seen with traditional progressive lens designs.

***Nova 3Di eliminates unwanted radial astigmatic error, the most common cause of non-adaptation in patients with presbyopia.***

**FABULOUS!**

**EXPERIENCE A THREE DIMENSIONAL VISION.**



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# Freeform Technology with Nova 3Di

Instead of producing progressive lenses with external progression and grinding the spherical and cylindrical powers onto the back of the lens-as was done in the past – the whole prescription of the patient can be applied on the lens back surface and individually calculated – thanks to freeform technology.

Analogical to the technology used with multi-aspherical single vision lenses, Nova 3Di eliminates emerging distortions in the far vision zone and in the periphery of the progressive zone almost entirely out of the wearer's viewing field due to the calculation of a multitude of single dots on the surface.



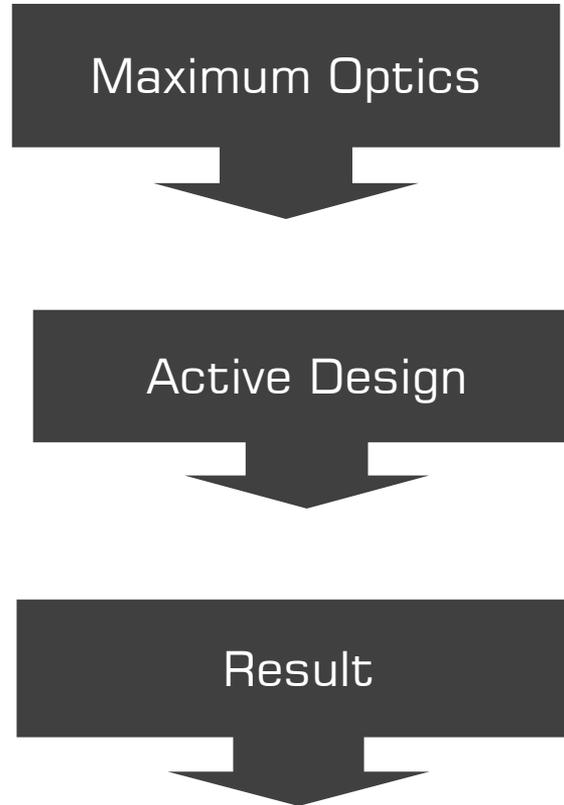
# Every individual is unique



Everyone's face is unique and so along with the standard prescription values for your lenses, individual values are also determined, which can be obtained by only one person- you!



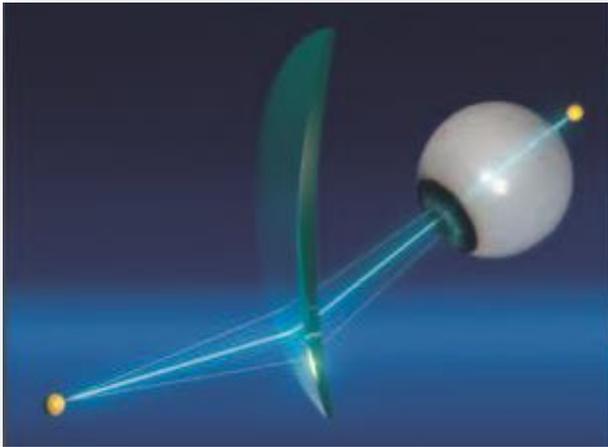
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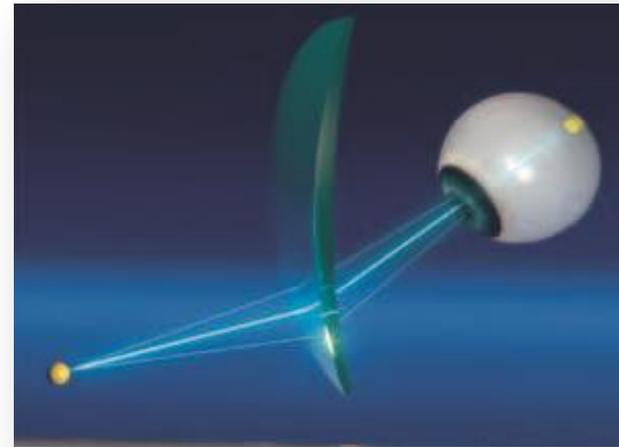
Excellent Optics designed for personal visual needs

# Nova 3Di – Retina Forward Design

You will notice a slight divergence between measured and ordered values with Nova 3Di, due to the fact that we automatically adapt the lens power based on the angle of inclination, BVD and the object distances relevant for different viewing fields.



Conventional Lens-results in over/under correction.



RFD-lead to clear vision in every lens zone.

# Nova 3Di – designed according to the visual needs.



Far vision preference

Balanced design

Near vision preference

Three different designs for varying requirements

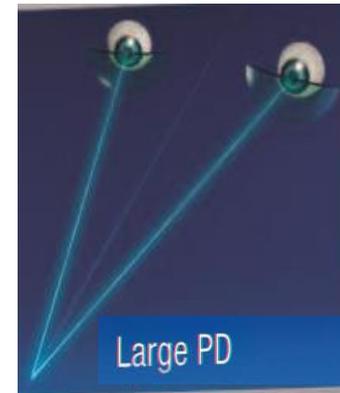
Based on power details and the lifestyle activities mentioned we automatically select the one design out of the three designs - which is best for your customer.

# Automatic Inset

Whereas conventional progressive lenses do not differentiate between a customer with a large PD and high power plus lenses and a customer with a small PD and high power minus lenses, Nova 3Di offers your customers an ***individualized inset***.

Inset automatically calculated based on:

- **Addition power, PD, Prism, Fitting height**
- **Natural working distance**
- **Age**



# Optimum support of eye movements

The selection of the ideal progressive corridor length and the optimum inset enable a perfect coordination of the progressive corridor lengths of both progressive lenses.

This results *in perfect binocular vision and an outstanding 3D perception.*



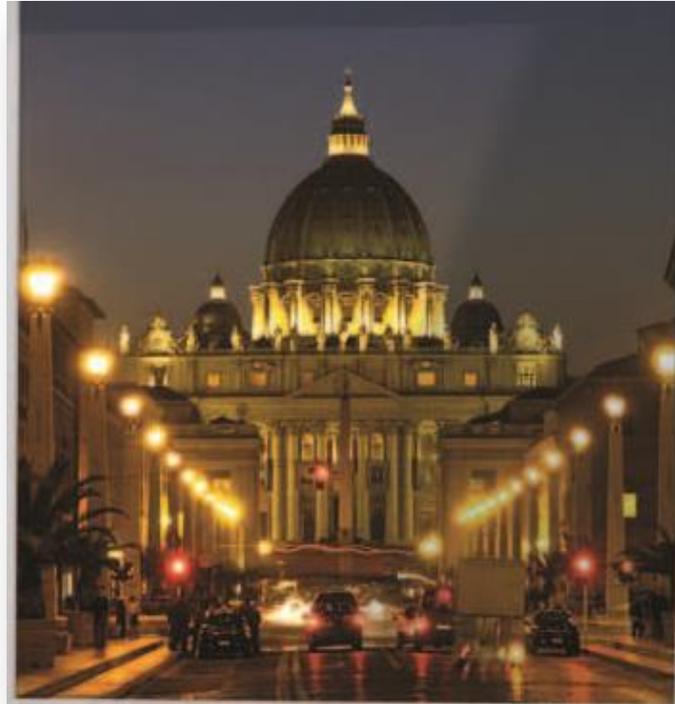
Nova 3Di Progressive

Conventional Progressive

# Contrast-rich vision with Nova 3di



Conventional Progressive



Nova 3Di Progressive

Always the right progressive corridor length !



Nova 3Di- we adapt the progressive corridor length precisely to the desired fitting height between 14mm to 22mm

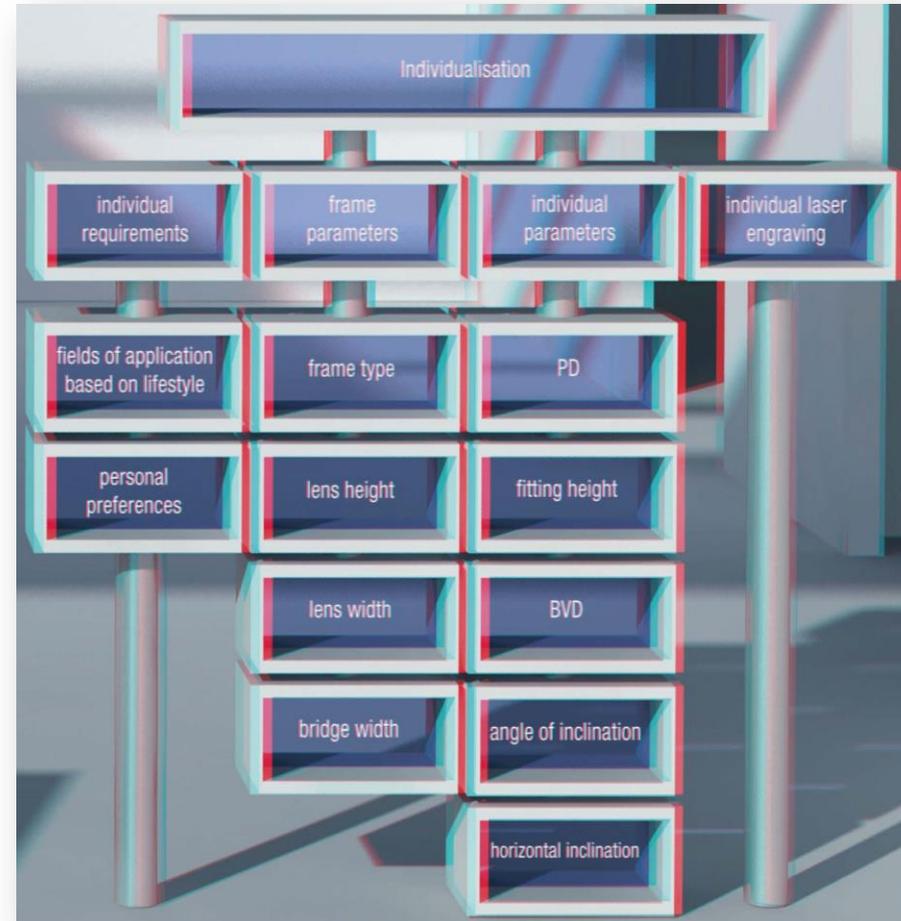


LATEST INDIVIDUAL LENS DESIGN  
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# Nova 3Di – the individual spectacle lens

The individual parameters are taken into consideration

- ***frame parameters***
- ***individual parameters of the eyes.***
- ***lifestyles and personal preferences***
- ***customer's initials***- the lens is not only produced individually, but initials can also be engraved on the lens.



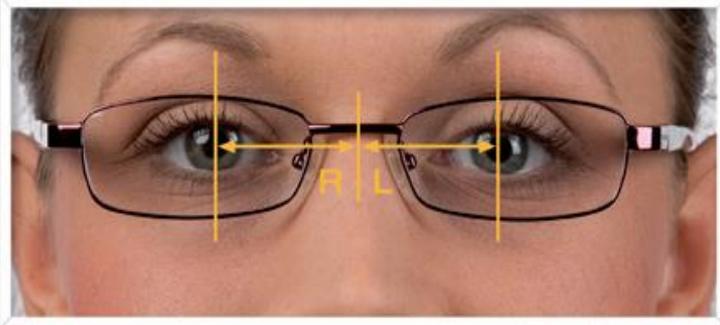
# Frame Parameters:



1. Frame type
2. Lens height (B height)
3. Lens width (A height)
4. Bridge width ( DBL )

# Measurement of Pupillary Distance

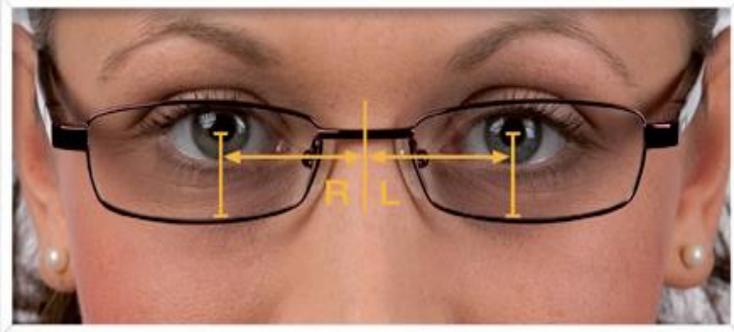
1



Pupillary Distance is the first & most important factor for a natural vision by the progressive wearer.

# Determining Pupil Height

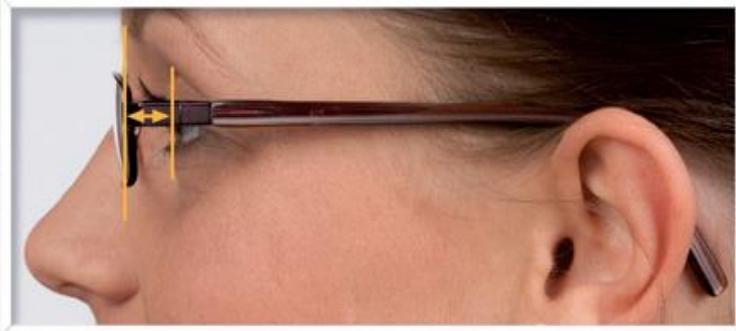
2



Pupil Height: is required to determine the comfortable fitting height as per the frame height.

# Measurement of Back Vertex Distance

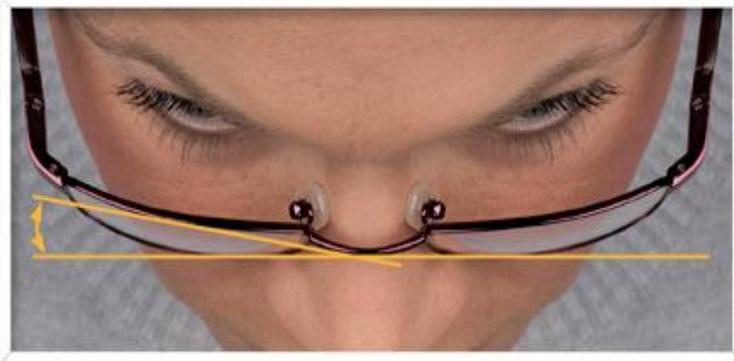
3



Back vertex distance is essential for the quality of the vision, measuring the distance ensures that the lens is tailored for the best level of vision.

# Measurement of Face Form Angle ( FFA )

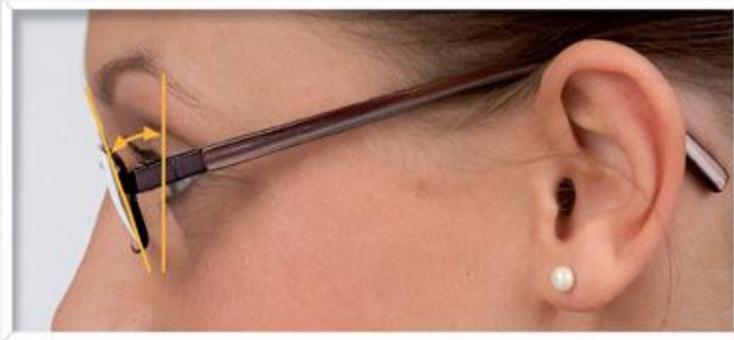
4



Each frame has different curvature and fits differently on the face, hence facial wrap is very critical for individual lenses to minimize distortions.

# Measurement of Pantascopic Angle

5



Pantoscopic tilt ensures that the eyes are looking at the correct part of lenses for most comfortable vision.

Ideally Pantoscopic tilt should be between 8 degree to 12 degree.

# Order Form

NOVA 3Di- Order Form



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 P-4 Kasba Industrial Estate, Phase-1  
 Kolkata 700 107, India  
 Phone: +91 (33) 24 42 43 54/55/56  
 Fax: +91 (33) 24 42 49 40  
 www.visionrxlab.com  
 Email: marketing@visionrxlab.com

Client ID		Date	
Company			
City		Zip	
Phone	-	Fax	-

Commission \_\_\_\_\_

Index  1.50  1.60  1.67  1.74

Transitions  yes  no

Coating  HC  HMC  HMC SATIN

Tint \_\_\_\_\_ Laser Engraving Initials \_\_\_\_\_

	Sph	Cyl	Axis	ADD	Prism	Prism Angle	∅	PD	Fitting Height	Curve
R										
L										

Width of the frame	mm
Height of the frame	mm
Nasal width	mm
Cornea vertex distance	mm
Pantoscopic Tilt	°
Face form angle	°

**Wearer Profile**

Profession \_\_\_\_\_

Usage in daily activities

Far Vision  high  moderate  low

Intermediate Vision  high  moderate  low

Near Vision  high  moderate  low

Frame Shape

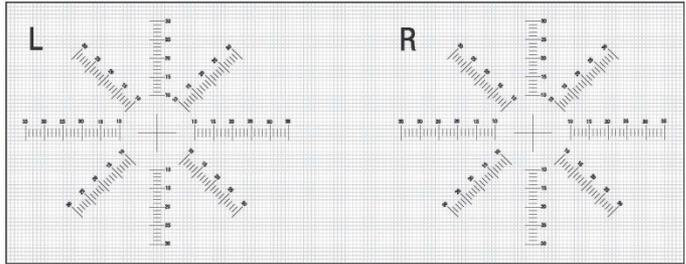


**Taking Lifestyle questions into consideration**

Type of frame  Fullrim  Nylon  Rimless

Minimum Thickness		
ET	At drill point	CT

1	2	3	4	5
6	7	8	9	10
11	12	13	14	

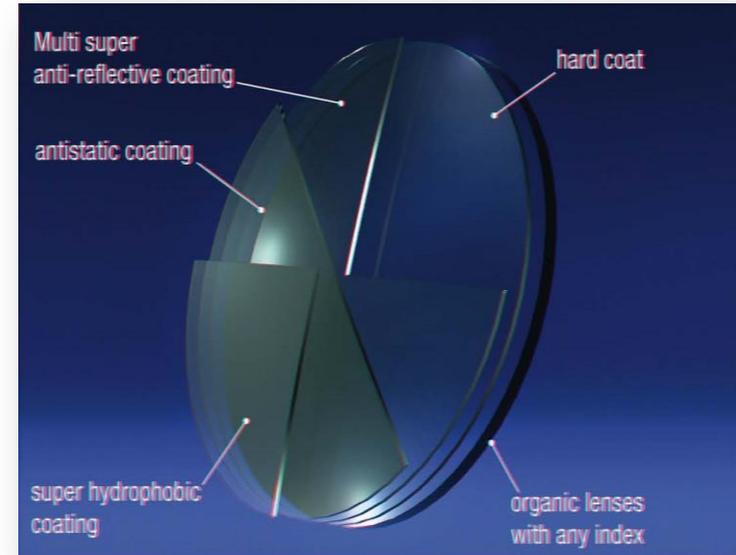


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# Optimum set of coatings

You get the benefit of our latest set of coatings:

- ❑ Hard coat - **HC**
- ❑ Anti-reflective coating with super hydrophobic layer - **HMC**
- ❑ Super hydrophobic, anti static, smudge resistance, anti reflection and scratch resistance coating - **Satin Plus**.
- ❑ Anti reflection coating to cut off Blue Rays + scratch resistance + super hydrophobic coating + anti static + smudge resistance – **Satin + Blue**.



**Available in all index and materials including Transitions, TransitionsXtractive, Drivewear & Polarised options.**

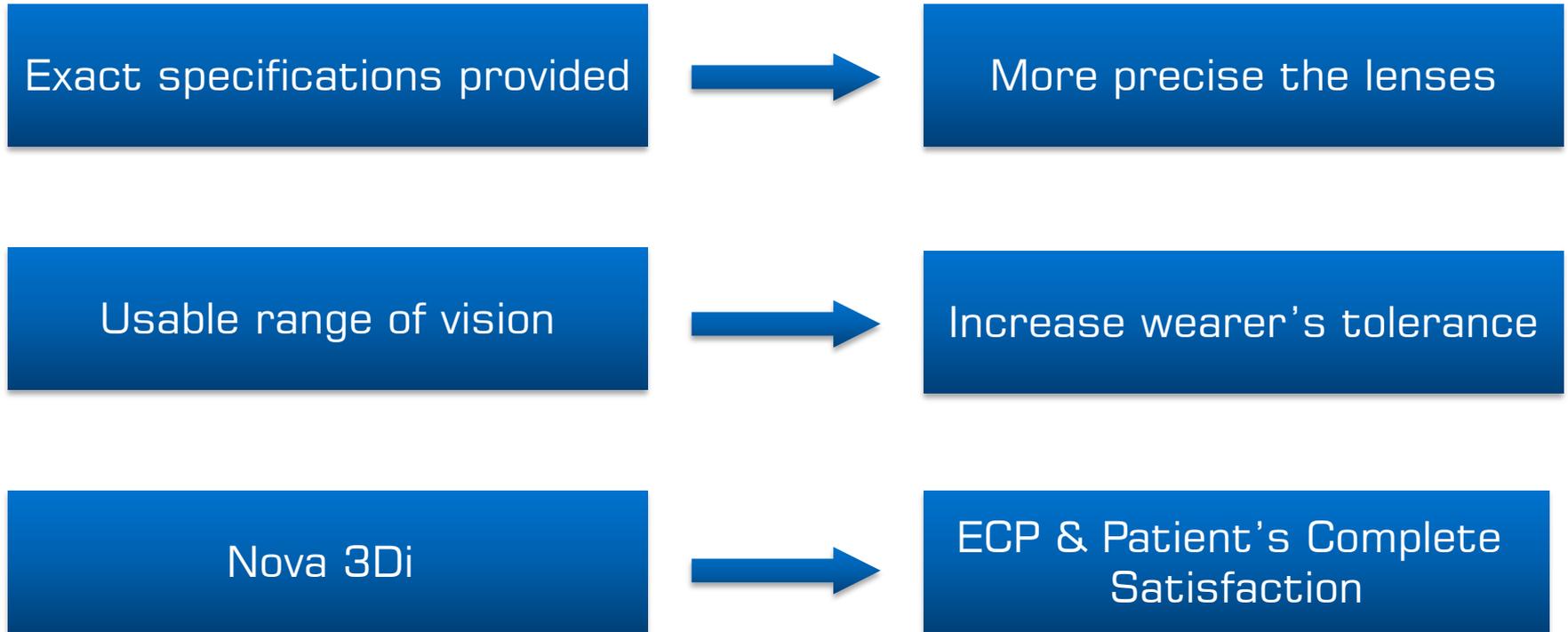
\*refer to the e catalogue for details.

# Nova 3Di – Features at a Glance

- Freeform Technology with 100% back-surface design.
- The frame dimensions/individual parameters.
- Visual behavior and lifestyle of the patient.
- Inset automatically chosen.
- Retina forward design.
- Advanced technology for thin lenses especially at near.
- Individual progression length.
- Perfect support of eye movement.



# Snapshot



**Thanks to pioneering, innovative production technology, what was considered impossible in the past has now become reality. The result is astounding!!!**

THANK YOU

Visit : [www.novalens.com](http://www.novalens.com)