Alpha Premium Free-form Personalized Progressive Lens

The Alpha Premium Freeform uses IOT Digital Ray-Path®. This is the one of the most advanced technology used to make digital lenses. The important difference appears when calculating the back surface. Instead of using a pure geometrical method, Digital Ray-Path® technology is based on an advanced three-dimensional calculation model that takes into account the real position of the lens and the natural movements of the human eye. The result of this innovative calculation method is a progressive lens that is personalized and provides better vision in all zones of the lens.

Better vision on every point of the lens.

Lenses calculated with this technology method provide a new visual experience no matter the prescription or frame selected. Digital Ray-Path® is based on the realistic simulation of the optical behaviour of the lens when it's placed in front of the wearer's eye. This simulation computes the oblique aberrations that have a negative impact on the lens visual performance. Oblique aberrations are reduced in every point of the lens, taking into account the rotation of the eye and the real position of the lens. As a result, Digital Ray-Path® creates a unique lens for each wearer that provides better vision in every zone of the lens.

Benefits

- Improved vision in distance, intermediate and near zones
- Larger, clearer visual fields
- High Performance for high prescriptions & also for sport frames
- Oblique Aberrations Minimization
- Totally customized lens
- Material & Base flexibility
- Optimum Inset
- Frame flexibility

Ordering:

- Lenses are available in 3 corridor lengths and all material, with a minimum fitting Height of 14mm.
- Ordering is as normal with the extra measurements added in the notes section of the order.
- For best results please supply. BVD, Tilt and Wrap angle as well as Mono Distance and near PD and Hts

Alpha Premium	Available Power Range	Cyl.	Add	Index
Alpha Premium 14. Min Ht 14mm **Alpha Permium 16.** Min Ht 16mm **Alpha Premium 18.** Min Ht 18mm	-8 to 6	-4.00	+0.50~+3.50	1.50 FreeForm
	-8 to 6			1.50 Polarized Brn/G15/Gry
	-8 to 8			1.50 Trans 7 Sign Brn/Gry
	-10 to 8	-4.00	+0.50~+3.50	1.60 FreeForm
				1.60 UV++ FreeForm
				1.60 Polarized Brn/Gry
				1.60 Trans 7 Sign Brn/Gry
	-12 to 8	-4.00	+0.50~+3.50	1.67 FreeForm
				1.67 UV++ FreeForm
				1.67 Polarized Brn/Gry
				1.67 Trans 7 Sign Brn/Gry
	-12 to 8	-4.00	+0.50 ~+3.50	1.74 FreeForm

Cubik ED series FreeForm: Progressive lenses

The Cubik ED series (Enhanced Design) Freeform Range at an affordable price. This technology has taken all that has been learnt from The MD & HD design and calculated with the pure geometrical method then taken the prescription requirements at every point on the lens. This has been compared to the some of the top lenses on the market.

How to ORDER:

You can order the Cubik freeform lenses like you would a normal Progressive lens with Distance Mono Pds, fitting heights. You simply choose the design you require by the fitting heights of the lenses (ED-7, ED-9 or ED-11). Or you can specify Frame Wrap Tilt and BVD. If this is not specified the default values for this will be used. To ensure you get the best adaption, we recommend that you look at the patients previous pair of spectacles and specify the corridor length that best matches. For example if they were wearing a short corridor design lens, we would suggest that you choose the ED-9 when ordering.

Cubik ED-7, ED-9 & ED-11

This is a step up from the mid priced HD and MD range with extremely positive feedback and great patient adaption.

Distance 

Near 

Cubik ED-7 with a minimum fitting height of 14mm

Cubik ED-9 with a minimum fitting height of 16mm

Cubik ED-11 with a minimum fitting height of 18mm

Fitting cross 4mm above PRP

Lens Name	Material	SPH	CYL	ADD
1.50 Cubik ED FreeForm	1.50 Index	-8 to 6	-4	0.5 to 3.5
1.50 Cubik ED Polarized Brown/G15/Grey	1.50 Index	-8 to 6	-4	0.5 to 3.5
1.50 Cubik ED Trans 6 Brown/Grey	1.50 Index	-6 to 6	-4	0.5 to 3.5
1.60 Cubik ED FreeForm	1.60 Index	-10 to 8	-4	0.5 to 3.5
1.60 Cubik ED Polarized Brown/Grey	1.60 Index	-10 to 8	-4	0.5 to 3.5
1.60 Cubik ED Transition Brown/Grey	1.60 Index	-10 to 8	-4	0.5 to 3.5
1.67 Cubik ED FreeForm	1.67 Index	-12 to 8	-4	0.5 to 3.5
1.67 Cubik ED Polarized Brown/Grey	1.67 Index	-12 to 8	-4	0.5 to 3.5
1.67 Cubik ED Transition Brown/Grey	1.67 Index	-12 to 8	-4	0.5 to 3.5
1.74 Cubik ED FreeForm	1.74 Index	-12 to 8	-4	0.5 to 3.5

Cubik FreeForm: Mid level First generation Freeform Progressive lenses

This is the entry-level technology to make digital lenses. Progressive lenses made with this technology will have the progressive surface on the back of the lens, and a simple curve, typically a sphere, on the front side. The progressive surface is calculated using a pure geometrical method that gives as a result lenses with similar optical performance as conventional progressive lenses, but with the advantages of the digital process, like flexible designs, variable corridor lengths and insets.

How to ORDER:

You can order the Cubik freeform lenses like you would a normal Progressive lens with Distance Mono Pds, fitting heights. You simply choose the Design you require (HD or MD). The MD is the most popular option. To ensure you get the best adaption, we recommend that you look at the patients previous pair of spectacles and specify the corridor length that best matches. For example if they were wearing a short corridor design lens, we would suggest that you insure a 12mm corridor is selected when ordering.

You have 2 options in Lens design:

Cubik HD (Active) This is dominant distance.

Very good for 1st time wearers or for Prescription sunglasses and myopic children.

Distance 

Near 

Cubik MD (Normal) This is the all rounder.

This lens is very good good for existing progressive lens wearers and people who have been wearing progressive lenses for many years.

Distance 

Near 

You have 3 fitting heights or corridor lengths:

- **12mm Corridor - Minimum fitting height of 16mm:** Engraved with ◯ **Circle**
- **14mm Corridor - Minimum fitting height of 18mm:** Engraved with △ **Triangle**
- **16mm Corridor - Minimum fitting height of 20mm:** Engraved with □ **Square**
- **When ordering please always refer to the corridor length**
- Fitting cross 4mm above PRP

Cubik Office Executive (Work) This is dominant for close work.

Very good for someone who is working in an office and does a lot of reading

Distance 

Near 

Cubik HD, MD & Cubik Office Executive range .

HD, MD & Office Executive	Material	SPH	CYL	ADD
1.50 Cubik FreeForm	1.50 Index	-8 to 6	-4	0.5 to 3.5
1.50 Cubik Polarized Brown/G15/Grey	1.50 Index	-8 to 6	-4	0.5 to 3.5
1.50 Cubik Trans 6 Brown/Grey	1.50 Index	-8 to 8	-4	0.5 to 3.5
1.56 Cubik	1.56 Index	-8 to 8	-4	0.5 to 3.5
1.56 Cubik Photochromic Brown/Grey	1.56 Index	-8 to 8	-4	1 to 3.5
1.56 Hi-Vex FreeForm	HI-VEX	-6 to 6	-4	0.5 to 3.5
1.56 Hi-Vex Polarized Brown/Grey	HI-VEX	-6 to 6	-4	0.5 to 3.5
1.59 Polycarb Cubik FreeForm	1.59 Polycarb	-10 to 8	-4	0.5 to 3.5
1.59 Polycarb Cubik Photochromic Grey	1.59 Polycarb	-8 to 8	-4	1 to 3.5
1.59 Polycarb Cubik Polarized Brown/Grey	1.59 Polycarb	-10 to 8	-4	1 to 3.5
1.59 Polycarb Cubik Trans 6 Brown/Grey	1.59 Polycarb	-10 to 8	-4	1 to 3.5
1.60 Cubik FreeForm	1.60 Index	-10 to 8	-4.5	0.5 to 3.5
1.60 Cubik Polarized Brown/Grey	1.60 Index	-10 to 8	-4	0.5 to 3.5
1.60 Cubik Trans 6 Brown	1.60 Index	-10 to 8	-4	0.5 to 3.5
1.60 Cubik Trans 6 Grey	1.60 Index	-10 to 8	-6	0.5 to 3.5
1.67 Cubik FreeForm	1.67 Index	-12 to 8	-4	0.5 to 3.5
1.67 Cubik Polarized Brown/Grey	1.67 Index	-12 to 8	-4	0.5 to 3.5
1.67 Cubik Trans 6 Brown/Grey	1.67 Index	-12 to 8	-4	0.5 to 3.5
1.74 Cubik FreeForm	1.74 Index	-12 to 8	-4	0.5 to 3.5

Cubik Regular and Short progressive: Budget level Progressive lenses.

Conventional Progressives

Traditionally, progressive lenses have been produced using a moulded blank that incorporates the progressive surface on the front side. These progressive blanks are produced in large quantities, and are available in multiple materials, each with a range of base curves, each with several add values. The wearer prescription is generated using traditional equipment to cut a simple curve, a sphere or a torus, on the back side of the lens. The progressive design itself is fixed, moulded on the front surface, and it doesn't change for different prescriptions. All wearers of a particular progressive will end up getting identical lens designs. However, ideally a progressive lens should be different for each wearer, and the design should change not only with the prescription, but also with other factors such as the lens material, the selected frame, and the visual needs of the wearer. With conventional progressives, personalization for each wearer is not possible, and that is a significant limitation.

How to ORDER:

You can order the Cubik Regular and Short progressive lenses like you would a normal Progressive lens with Distance Mono Pds, fitting heights and you simply choose the design you require (Regular or Short). These lenses are traditional old style molded front surface progressive lenses. This is the best option when some really has a budget to work with.

Cubik Regular progressive:

This lens has a minimum fitting height of 20mm and only is available in CR39 and 1.6 index. This is a very good option for budget patients.

Fitting cross 2mm above PRP for both short and Regular

Lens Name	Material	SPH	CYL	ADD
Regular Progressive 1.5	1.50 Index	-6 to 6	-5	1 to 3.5
Regular Progressive 1.6	1.60 Index	-10 to 6	-4	1 to 3.5

Cubik Short progressive:

Lens Name	Material	SPH	CYL	ADD
Short Corridor Progressive 1.5	1.50 Index	-6 to 5.5	-4	1 to 3.5
Short Corridor Prog 1.59 Polycarb	1.59 Polycarb	-6 to 5.5	-4	1 to 3
Short Corridor Progressive 1.6	1.60 Index	-10 to 6	-4	1 to 3.5
Short Corridor Progressive Photo Grey / Brown	1.56 Index	-8 to 6	-4	1 to 3.5
Short Corridor Progressive Polarized Grey / Brown	1.50 Index	-6 to 5.5	-4	1 to 3.5