




















# SEIKO technologies explained














	Personal Design Selection System	Unparalleled comfort and customisation due to a personal lens design code, which is configured by calculating the wearer's parameters, lens history and viewing preferences.
	Individualised Design	Improved performance and comfort due to the tailor made design which considers the patients specific requirements and measurements.
	Intelligence Magnification Control	Allows for a reduced feeling of sway and a wider visual field while improving close range vision and reducing distortions.
	Digital Zoom Equaliser	Optimises the transition area of the progressive fields and therefore ensures effortless switching between distances and devices, or relaxed vision.
	Balance Zone Technology	Ensuring cosmetic improvement of the lens shape and wearer's appearance due to pioneering design calculations, this unique technology makes eyes and facial contours look natural. Image sharpness is optimal up to the edges while precision in the central zone is maximised.
	3D Binocular Ray Tracing	Modern method and design simulation by software for realistic calculation of any prescription.
	Twin Eye 360°	Balances the power distribution in the peripheral areas of the lens and optimises the visual field for both eyes to ensure relaxed, stress free vision all day long.
	Best Inset Design	Automatic design calculation for optimal position of near portion by respecting monocular PD measurements.
	Advanced Prism & Aberration Control	Surface optimisation which reduces the aberrations produced when prescribed prism required.
	TwinEye Modulation Technology (TMT)	Increased balance of vision between both eyes, reducing the swimming and swaying feeling that can occur at the edges of the lens.
	Advanced Aspheric Design	Advanced design calculation which produce surfaces that astigmatic errors and distortions by any axis position or toric correction.
	Curve Pairing	With Curve Pairing the base curve is adapted perfectly even when there is differences in prescription between the two eyes.
	Intelligent Thinning Prism	Takes into consideration shape data and individual lens fitting to create best possible cosmetics by vertically balancing the thickness for each lens.
	Panoramic Atoric Design	Helps to calculate the best surface curvature to reduce astigmatic errors.
	Concave Convex Combination Slim Technology	Aesthetic and flat FreeForm progressive design with reduced thickness and base curves to provide wide power ranges.
	Clear and Smooth Design	Wider and clear distance vision with an easier transition from distance to reading.
	High Curve Technology	Produces individual lens products with excellent quality and comfort for sports and high fashion wrapped frames.
	Inner-progressive design	Expanded vision fields with linear progression corridors and stable vision in all areas up to the edges.
	SEIKO Digital Surfacing	FreeForm technology invented by Seiko for accurate design calculation and most precise manufacturing for any prescription: State-of-the-Art.

PROGRESSIVE						LIFESTYLE							
BRILLIANCE	PRIME XCEED	PRIME X	EMBLEM XTRAWIDE	SYNERGY XTRA	VSX	DRIVE X	CURVED X	INDOOR 100/200	INDOOR PC	DRIVE	CURVED	SMARTZOOM XCEED	SMARTZOOM
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SEIKO

PRECISION FOR VISION

# SEIKO technologies explained

	Lifestyle Bias	Ultimate personalisation within a single vision lens incorporating the wearer’s individual lifestyle, daily routine and preferences with three lifestyle designs.
	Individualised Design	Improved performance and comfort due to the tailor made design which considers the patients specific requirements and measurements.
	Balance Zone Technology	Enhanced aspherisation, with a central zone to provide precise vision and the lens edge to provide a high level of aesthetics. Resulting in the eyes and facial contours remaining their natural size and shape even with high prescriptions.
	Advanced Aspheric Design	Higher clarity of vision across the lens, due to the advanced calculation that produces the curve of the lens surfaces.
	Prismatic aberration correction	Surface optimisation which reduces the abberations produced when prescribed prism is required.
	Curve Pairing	With Curve Pairing the base curve is adapted perfectly even when there is differences in prescription between the two eyes.
	3D Binocular Ray Tracing	Modern method and design simulation by software for realistic calculation of any prescription.
	Base Curve Selection	To ensure high vision comfort and performance whatever the frame choice.
	Double Aspheric	Due to SEIKO Digital Surfacing a unique and patented design concept with aspheric design shape on both lens surfaces for improved quality.
	Aspheric	State-of-the-Art design for any prescription with upgraded vision quality even in the periphery of an ophthalmic lens together by controlled astigmatism and power error with improved aesthetics.
	Spherical Button	Patented low-base aspheric design with a 10mm spherical button in around the optical centre of the front surface to minimise aberrations in the lens.
	SEIKO Digital Surfacing	FreeForm technology invented by Seiko for accurate design calculation and most precise manufacturing for any prescription: State-of-the-Art.
	Spherical	Spherical design with SEIKO quality.

SEIKO SINGLE VISION				
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SEIKO COATINGS	
SuperResistantCoat (SRC)	A premium coating that reduces reflections, so the lenses look almost invisible whilst also increasing the transmission of light so that visual comfort is improved. SRC has a high level of scratch resistance so the lenses will be more protected from everyday wear and tear. The coating is easy to keep clean as it has an antistatic layer to reduce the attraction of dust and particles remaining on the lens surface. There is also a hydrophobic and grease repelling layers so that water and grease can be easily wiped from the surface. Overall Super Resistant Coating is an ideal choice providing the best possible coating performance.
SuperResistantBlue (SRB)	With the increased use of digital devices our exposure to blue light can significantly increase, for some patient’s blue light can impact contrast as well as their sleeping patterns. Super Resistant Blue will reduce the level of blue light by reflecting it from the lens surface which can enhance contrast which can be helpful with prolonged use of digital devices. It is very easy to clean, water/oil/dust repellent with excellent scratch resistance
RoadClearCoat (RCC)	An anti-reflection coating specifically designed for the challenges faced when driving especially at night. The coating is designed to allow the light that our eyes need in low light to be transmitted but restricts the light that can reduce contrast. Providing optimum perception and higher contrast. It is also very easy to clean, water/oil/dust repellent and excellent scratch resistance.
SuperResistantCoat with UV (SRC-UV)	Is a coating with the same hightech-specifications as the SEIKO SuperResistantCoat. In addition this coating quality reduces the reflection of UV radiation reflected from the inner side of the spectacle lenses.
SuperResistantBlue with UV (SRB-UV)	Is a coating with the same hightech-specifications for the SEIKO SuperResistantBlue. In addition this coating quality reduces the reflection of UV radiation coming from the inner side of the spectacle lenses.
SuperCleanCoat (SCC)	An anti-reflection coating with scratch resistance as well as being easy to clean and optimum transparency through consistent quality of super-reflection
FogLessCoat (FLC)	Reduces lens ‘fogging’ when moving from a cold to hot environment or vice versa.

SEIKO LENS TREATMENTS	
Tribrid™	Tribrid™ spectacle lenses are lightweight, thin, but still 5 times more break-resistant than other comparable high-index materials.
SEIKO SENSITY	Light-reactive lenses which deliver excellent visual comfort in every light condition, outstanding durability and reliable performance due to Stabilight Technology™.
SEIKO SENSITY DARK	Light reactive lenses which react to the level of UV and natural light enabling them to react behind a car windscreen and to go darker than standard Sensity.
SEIKO POLARTHIN	SEIKO PolarThin is the world’s thinnest polarising lens with thickness, weight and aesthetics like clear Seiko lenses. This latest technology makes the lenses suitable for any frame mount including rimless and semi-rimless. At the same time it provides glare reduction for higher contrast and richer colours.
SEIKO COLOURS	The SEIKO range of tints comprises over 200 options • SEIKO offers blue blockers, pastel colours, Tribrid™ and sunglass tints
SEIKO MIRRORS	Five fashion mirror coating options combined with tints to create a unique eyewear solution