



t a i l o r m a d e s o l u t i o n s

1ST TIME IN PAKISTAN

LOW VISION

AIDS

INNOVATIVE SOLUTIONS

Do you have problems in reading books and newspapers?. Do you have difficulties to read a price on the label in a market? When you are walking, you are not able to recognize the face of the people who approach you? TV Images are no more clear and glare is disturbing you continuously.

You could be affected from different pathologies that arrives with old age but sometimes in the middle age too or even from the birth and cause you Low-Vision conditions. Don't get discouraged, don't give up, your problems can be solved.

WE CAN BE HELPFUL. THANKS TO THE NEW TECHNOLOGIES. WE CAN NOW EXPAND AND ENHANCE YOUR VISION.



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Dear Eye Doctors,

We will greatly appreciate your ability to refer any of your particular low vision patients to our clinic who are need and looking for innovative technologies in order to acquire the best quality of their vision life.

Thank you.

In our clinic, we have all the diagnostic kits & gadgets from SWEDOPTIK, Italy for low vision patients.

CUSTOMIZED TAILOR MADE SOLUTIONS BY



FOR EACH INDIVIDUAL LOW VISION PATIENTS.



Legit Twin™



SWEDOPTIK, long time leader in research and development of optical systems for low vision patients has created a new aplanatic and achromatic aid. The use of appropriate geometrics along with a choice of two different lenses of various mineral glass of the finest quality guarantees excellent image quality. The system consist of a 26mm diameter lenses with a support lens made of organic/natural material. Compared with the 36mm diameter traditional aplanatic system, the loss of visual field is reduced to only 3 letters(based on 6x)

The esthetic aspect is the best in its category and the optical quality is comparable to that of an aplanatic system.

To summarize Legit Twin’s characteristics:

- ⌋ Aplanatic and achromatic system, thanks to the use of special glass
- ⌋ Break resistant thanks to chemical and thermal treatment
- ⌋ Multi-level anti-reflection treatment
- ⌋ Thin, thanks to a central thickness ranging from:
 - ⌋ – between 3.8mm for 2x (as opposed to the traditional aplanatic system’s 9)
 - ⌋ – and 5.85mm for 6x (as opposed to the traditional aplanatic system’s 12)

Swedoptik, synonymous with Tailor Made Solution, offers Legit Twin with a possible diopter correction of up to sf +24 and cyl -4.00 (sum total patient’s correction and the enlarging power).



Code Description

SW 120	LEGIT TWIN. New aplanatic and acromatic system with AR treatment from 2 to 6 magnification time.
SW 121	LEGIT TWIN Individual. New aplanatic and acromatic system with AR treatment with optical correction till sphere +24.00 cyl -4.00(total power). From 2 to 6 magnification time.

Legit Aplanat™



Legit Aplanat is a monocular aplanatic system highly recommended for medium to high enlargement prescriptions. The system consists of a two positive convex flat lenses. Aplanatic system have long been used in measuring systems, as illuminating lenses, given their capability to diffuse light evenly over the lens surface, guaranteeing an even and high quality image, free of peripheral aberrations. The two lenses are set on a tubular support in polycarbonate and the flat surfaces of the lenses are turned outward. It is well known, in fact, that the closer one gets to the object, the more important it is that the lens surface be as flat as possible. The aplanatic is the only optical system today for low vision patients that combines a high level of enlargement and a wide visual field.

Available from 2 to 15 magnification time. Addition: sphere/cyl corrections



Also available with : SKUDO Coat: controlled nanometer treatment and AR Coating

t a i l o r m a d e s o l u t i o n s



Legit Bino



Legit Bino are hypercorrective prismatic eyeglasses that allow the low vision patient to read at small distance, enlarging the image at the retinal level with minimal effort. In fact, thanks to the use of internal base prisms, Legit Bino can achieve high visual performance. The use of high index lenses along with careful attention to frame design, in acetate or titanium, with flexible temples, makes Legit Bino the most discreet low vision aid on the market. Also available with Emerald, multilayer anti-reflection and anti-scratch treatment, and Skudo coat controlled nanometer treatment. Legit Bino may be customized on the patient's correction needs.

Legit bino is available as follows:

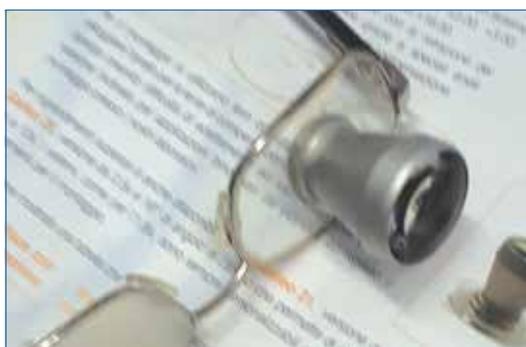
Code	Description
SW 001	LEGIT BINO: hypercorrective prismatic eyeglasses Acetate frame, anti-scratch treatment, powers +3.00 to +8.00time.
SW 002	LEGIT BINO: hypercorrective prismatic eyeglasses Acetate frame, anti-scratch treatment, powers +10.00 to +16.00
SW 003	LEGIT BINO: hypercorrective prismatic eyeglasses Titan frame, anti-scratch treatment, powers +3.00 to +8.00
SW 004	LEGIT BINO: hypercorrective prismatic eyeglasses Titan frame, anti-scratch treatment, powers +10.00 to +16.00
SW 007	LEGIT BINO: hypercorrective prismatic eyeglasses Acetate frame, anti-scratch and AR treatment, powers +3.00 to +8.00
SW 008	LEGIT BINO: hypercorrective prismatic eyeglasses. Acetate frame, anti-scratch and AR treatment, powers +10.00 to +16.00
SW 009	LEGIT BINO: hypercorrective prismatic eyeglasses Titan frame, anti-scratch and AR treatment, powers +3.00 to +8.00
SW 010	LEGIT BINO: hypercorrective prismatic eyeglasses Titan frame, anti-scratch and AR treatment, powers +10.00 to +16.00
SW 045	Addition sphere/cylinder correction
SW 041	SKUDO Coat:Controlled nanometers treatment



Legit Galileo Wide™



Legit Wide is a new Galileian system with a wide visual field. In fact its 24° visual field make it suitable for dynamic activities and for watching television. Legit Galileo began as a system for looking out at a distance, but thanks to its special additional reading cups, it is suitable for observation ranging from infinity and 63mm with enlargement capability up to 7.2x. The reading cups are very easy to insert thanks to a lock-in system. They are available from +0.50 to +16.00. The system may be personalized very easily thanks to special adaptor rings in which the compensation lens is inserted. Assembly requires the use of support lenses, built to house the ring of the dioptric compensation lens without allowing it to stick out and create discomfort. For greater enlargements, we also offer Legit Galileo 2.1x (20° vision field) and 2.5x (16° vision field) which allows enlargements up to 10x thanks to reading cup. All these systems can always be personalized and require the same reading cup and assembly requirements.



Legit Galileo is available as follows:

Code	Description
SW 079	LEGIT Galileo Wide. Galileian system 1.8x and 24° visual field. With Reading cup if necessary and mounting lens.
SW 115	LEGIT Galileo 2.1x . Galileian system 2.1x and 20° visual field. With Reading cup if necessary and mounting lens.
SW 080	LEGIT Galileo 2.5x. Galileian system 2.5x and 16° visual field. With Reading cup if necessary and mounting lens
SW 081	LEGIT Galileo Reading cup: +0.50, +1.00, +2.00, +3.00, +4.00, +6.00, +8.00, +10.00, +12.00, +14.00, +16.00
SW 083	Ring for correction (without correction lens)
SW 084	Ring with correction lens
SW 085	Additional mounting kit
SW 041	Skudo Coat: controlled nanometres treatment





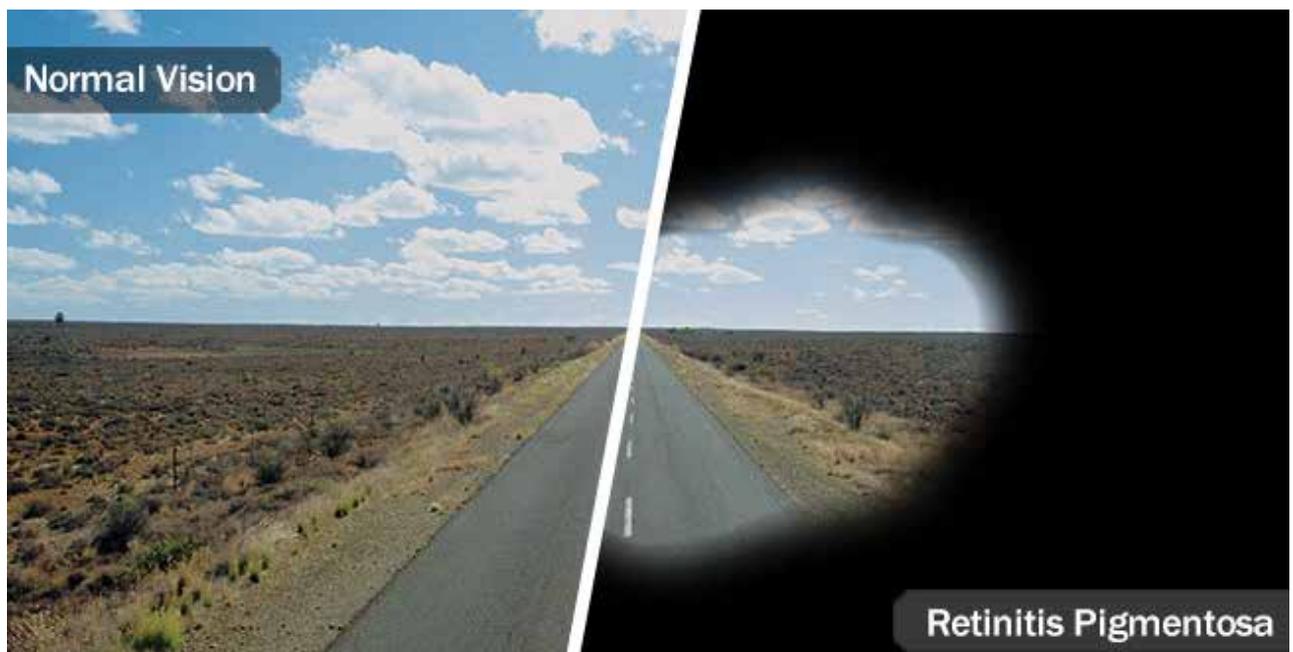
Legit Field Expander



Legit Field Expander if you have sight limited from a too short visual field you could be helped from this kind of telescope that enlarges the viewing angle. By taking advantage of a wider vision, it is also possible to move better within an environment



Retinitis Pigmentosa (RP) is a genetic disorder of the eyes that causes loss of vision. Symptoms include trouble seeing at night and decreased peripheral vision (side vision). As peripheral vision worsens, people may experience "tunnel vision". Complete blindness is uncommon.



LEGIT PRISM

Hemianopsia consists of losing the perception in half of the visual field. It can affect the left / right half or the top / bottom half of the visual field. Due to this effect the patient affected has problems in moving and consequently the loss of the visual acuity as the field is so reduced. To solve this problems we can try to shift the image perception from the burned area to the still working one. Thanks to the prismatic effect, we can direct the image to the area of the still active retina. This test set consists of a variety of n. 13 different prism values and a special test frame designed to allow the correct prescription of the necessary value and direction of the prism. The lens kit is realized in 46mm of diameter, this can be very helpful in order to evaluate a wider image range than other "Fresnell" kind lens set which cannot be so workful; at the same time the image perception through a "clear prism lens" is surely more well-defined than in a "Fresnell prism lens" that have more aberration. All this quality and width image can make difference in seeing again better and solve in part the loss of the visual field; furthermore you can select the prism value putting on trial lens frame on the glasses eventually worn from the patient, using in this way the refraction value added to them too.

The Legit Prism kit is also useful for assessing and correcting any orthotic problems such as strabismus exophorias etc. etc. Over time it is also possible to evaluate, thanks to the wide choice of prismatic powers, the progressive possible decrease in the quantity of prism assigned and therefore starting from a greater quantity used initially to descend to bring step by step until possible remission.



Central Scotomas and Macular Degeneration (Prismatic Decentralization helpful)

Low vision decentralization: in low vision with Macular Degeneration and particularly with Central Scotomas disease many patients may have benefit from decentralization with low power prisms (maximum 5 diopters) positioned with the base directed towards the worst area. In this way, patients can make the most of their Preferred Retinal Locus (PRL) as an alternative to macular fixation. Mostly in far vision and sometimes in near vision too the evaluation of a prism addition could be useful in order to obtain the best vision by directing the image to the retinal area not yet affected by the disease, thus significantly increasing the residual visus. This method for example, can be used in conjunction together with Legit Motus lenses for far vision

"LEGIT MOTUS" LENSES



"Legit Motus" lenses are products designed to be able to move in an environment despite the low visual acuity endured by patients suffering from degeneration macular, retinitis pigmentosa or mild/moderate low vision in general.

Constructed to apply magnification to the far vision, minimizing the effect of approach that is obtained. Thanks to the normal lenses with positive spheres, the "Legit Motus" lenses are a valid tool for those who need to increase vision in distance.

The particular construction of the lens, which exploits the magnification principle due to the shape, it allows to have a magnified vision in distance with a single lens.

To get the best effect it is advisable to place these lenses on a pantoscopic frame to minimize the perception of their thickness since the "Legit Motus" are lenses, by nature, thick.

It is possible to add a custom spherical/cylinder correction, nanometer filter controlled from 400nm to 600nm, classic A/R treatment or BlueBlocker one.

For the prescription:

- Magnification range of 3%, 4%, 5.5%, 7%, 9%
- Recommended viewing range: + 3.00/-3.00 (with Spherical Equivalent Power)
- Frames in celluloid with pantoscopic round or similar shape are to be preferred

Aniseikonia/Double vision

The "Legit Motus" lenses can also be useful to cure Diplopia disorder due to strong Anisometropia (> 2,00D) and consequent Aniseikonia. This is an ocular condition where there is a significant difference in the perceived size of images. It can occur as an overall difference between the two eyes, or as a difference in a particular meridian.



When this magnification difference becomes excessive the effect can cause double vision, suppression, disorientation, eyestrain, headache, dizziness and balance disorders. Retinal image size is determined by many factors; the optics of the eye including its refractive power and axial length also play a major role in retinal image size. Corrective lenses affect these characteristics and are used commonly to correct refractive error but when they are not enough it's possible to balance the retina perception in far vision using "Legit Motus" lenses and therefore to equalize the magnification perception between the two eyes.

For the prescription:

- Magnification range from 1% to 9% in far vision - Recommended viewing range: + 3.00/-3.00 (with Spherical Equivalent Power) - Frames in celluloid with pantoscopic round or similar shape are to be preferred



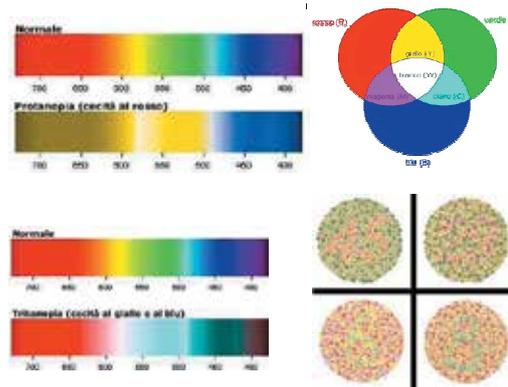
“LEGIT RAINBOW”



COLOUR BLINDNESS LENSES Colour blindness is a disorder that involves a wrong perception of colors. The color blindness is generally distinguished in achromatopsia, the deficit in the vision of all three primary colours (red, green and blue), and dichromatopsy, which involves a deficiency in the vision of one of the three primary colours. Rainbow lenses are photoselective filters that allow to re-synchronize and change selectively, in a dynamically balanced format, the wavelength for each colour of light that enters into both eyes, allowing to discriminate and improve the colour perception.

Rainbow photo-selective filters can significantly:

- Improve colour perception
- Make colours brighter and clearer Allow viewing of colour gradients
- Improve the ability to recognize colours properly



Legit Rainbow line: **AVAILABLE**

- single vision lenses
- multi-focal lenses

DYSLEXIA LENSES

Reading is one of the most important skills that children need to acquire. Reading has a fundamental impact on basic skills in the overall learning process: how to count, write, understand -and process sentences. Unfortunately, the difficulties in reading are common in the age of primary school children and they can cause frustration. Reading involves complex visual and cognitive processes. The printed text is a set of letters scattered on horizontal lines; sometimes the repetition of groups of letters can create unusual visual effects, such as illusory colours, glitter effect and vertical movements around the body of the text. These illusions are frequently accompanied by somatic reactions, such as nausea, eyestrain, hea-daches and reading fatigue. These unpleasant experiences are indicated with the name of visual stress. The syndrome also seems to be particularly common in individuals who suffer from dyslexia, migraines, autism and photosensitive epilepsy. Visual stress could be caused by a specific wavelength, included in the color spectrum, which stimulates too much some parts of the visual/Cortex, disturbing the perception of the image of black text on a white background. By changing the coloured background with a tint that filters the length of disruptive wave, it is possible to improve drastically some aspects of visual perception involved in reading and writing. When a person identifies the correct filter’s tint, attention time, speed and fluidity in reading and understanding of the text can be improved. Legit Rainbow lenses may improve writing and spelling skills

Legit Rainbow line: **AVAILABLE**

- single vision lenses
- multi-focal lenses
- spectacle filters





Max TV - Max Details



MAX TV Spectacles are 2x magnifying glasses with a Galilean design for close work. If you sometimes have trouble watching television - seeing small details, reading subtitles or quiz show questions, for example - but don't want to buy a widescreen TV, then MaxTV glasses are the perfect solution. Simply put them on, focus, and your television appears twice as large. Also suitable for enhancing video games. The magnifying glasses are not, however, designed



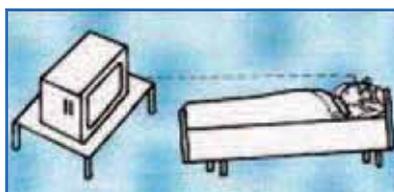
for close-up, so you will need to sit between 1.5 and 3 metres away from the TV screen while using them. Magnification 2X, weight 50g (1.69oz)



Legit Medical™

Prismatic Glasses For Reading In The Supine position

Eyewear suitable for patients who must read or watch TV while in bed. Prisms and mirrors inside the glasses offer a clear vision without the need for particular positions.





OPTICAL SYSTEM



Skudo coat controlled nanometer medical filter lenses



In addition to visible light, our eyes come into contact with infrared and ultraviolet rays. Although they may not provoke a physical sensation, they pose a danger to the eye itself. Ultraviolet rays in particular, even though they are short wave rays, are high in energy and may therefore cause photo-

oxidizing stress with the following possible consequences: cataracts, conjunctivitis and a worsening of retinal pathologies. Blue light from ultraviolet rays also reduces contrast perception, causing reduced visual sharpness, greater photosensitivity to intense light and glares, as well as prolonged adaption time.

The use of Skudo coat treatment and medicated filtering lenses can remedy these problems. Thanks to the "cutting" of the light's blue component.

When used with polarization, available in two versions, Pola Light 65% and Pola Dark 85%, visual performance in outdoor areas is increased with great comfort to the low vision patient.



Skudo Coat treatment can be done on:

- Plano filter base 6 and base 8;
- Polarized plano filter base 6 and base 8;
- Infinity – monofocal lenses also pola or transition;
- Infinity – bifocal lenses also pola or transition;
- Infinity – progressive lenses also pola or transition;
- Freedom lenses
- Clip-on



To optimized results, we recommend treating lenses with Emerald (anti-reflection and anti-scratch). After the anti-reflexion treatment, there may be small variations of the absorption spectrum which do not, in any event, affect the protective characteristics. For most retinal pathologies, we recommend the following filters:

450 mm	Macular Degeneration Optical Nerve Atrophy
511 mm	Macular Degeneration Optical Nerve Atrophy, Glaucoma Cataract, Retinitis Pigmentation
527 mm	Glaucoma, Cataract Retinitis Pigmentation
550 mm	Retinitis Pigmentation
585 mm	Retinitis Pigmentation



Portable Digital Magnifier



A Product Designed For Your Need



- > 5" LCD with Dual HD cameras for near and far view.
- > True Colors
- > 19 available color select modes
- > Magnification 4x - 32x
- > Foldable handle
- > Integrated rechargeable battery
- > Two years warranty.

