

SCHWIND

eye-tech-solutions

PresbyMAX[®]

For visibly younger eyesight



SCHWIND eye-tech-solutions

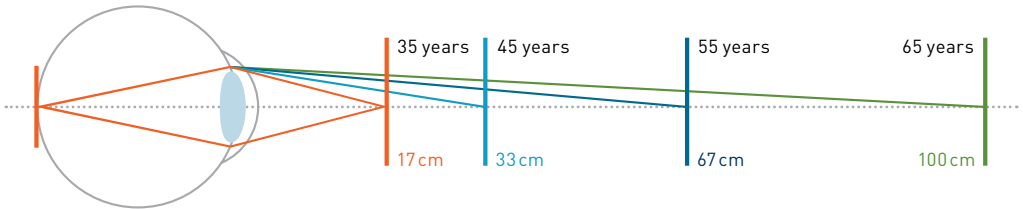
So you can still read stories aloud tomorrow

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Minimum distance (in centimetres) required at different ages in order to see nearby objects clearly without reading glasses.

Presbyopia – a “normal” process

From around 45 years of age, the near vision of almost all people distinctly declines. This is not caused by any sort of visual defect, but rather a perfectly natural, age-related process whereby the lens of the eye loses mobility. For that reason, the eye becomes unable to adjust clearly to different distances. Blurred vision, especially at close range, is the result.

For the treatment of presbyopia – the medical term for age-related long-sightedness – alternatives to reading or varifocal glasses along with multifocal contact or intraocular lenses are now available.

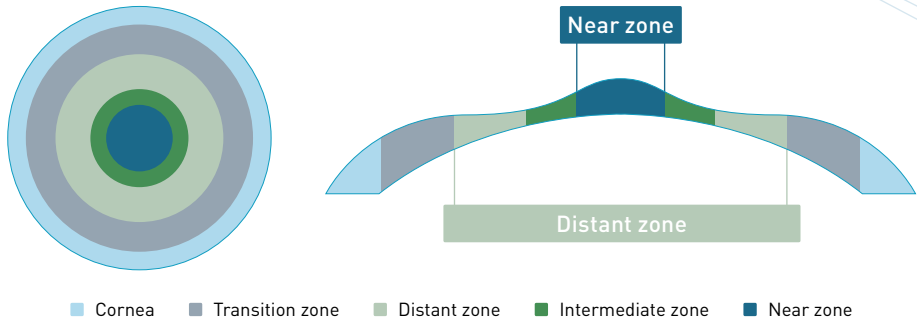
PresbyMAX®

Your clear choice for greater freedom and quality of life

PresbyMAX is a minimally invasive method of presbyopia treatment performed using technologically advanced SCHWIND AMARIS eye laser systems. The treatment is completed in just a few minutes, and the actual laser ablation takes only seconds. The procedure neither touches nor replaces the sensitive lens of the eye. Rather, rapid laser pulses gently model the cornea with high precision.

Several different treatment variants are possible with the PresbyMAX procedure. Your specialist will advise you about the variant which suits you best.

Unlike conventional LASIK treatment, multiple precisely calculated focal points are created in the eye – similar to the principle applied in multifocal contact or intraocular lenses. The cornea is modelled at the centre for near vision and towards the periphery for distant vision. This results in a good depth of field and high quality vision at all distances. Visual acuity typically improves rapidly, especially at near distance. Adaptation to the new visual impression usually takes slightly longer than after conventional LASIK treatment.



Schematic diagram and cross-section of the cornea after a PresbyMAX treatment. The near zone typically makes it possible to read without corrective lenses. The intermediate zone favours good vision at medium distances, e.g. at a computer workstation. The distant zone provides for good vision at greater distances. The transition zone contributes to the stability of the treatment result.

Visual acuity at all distances

PresbyMAX[®]
Visual acuity at all
distances



PresbyMAX offers a unique, comprehensive treatment spectrum for various indications and has been backed up by an unsurpassed range of clinical data and experience. No other procedure available on the laser surgery market for correcting presbyopia can document such a large number of clinical results. They have been published in scientific journals and document high patient satisfaction.

Chan TC, Kwok PS, Jhanji V, Woo VC, Ng AL. Presbyopic Correction Using Monocular Bi-aspheric Ablation Profile (PresbyMAX) in Hyperopic Eyes: 1-Year Outcomes. *Journal of Refractive Surgery.* 33(1):37-43. January 2017.

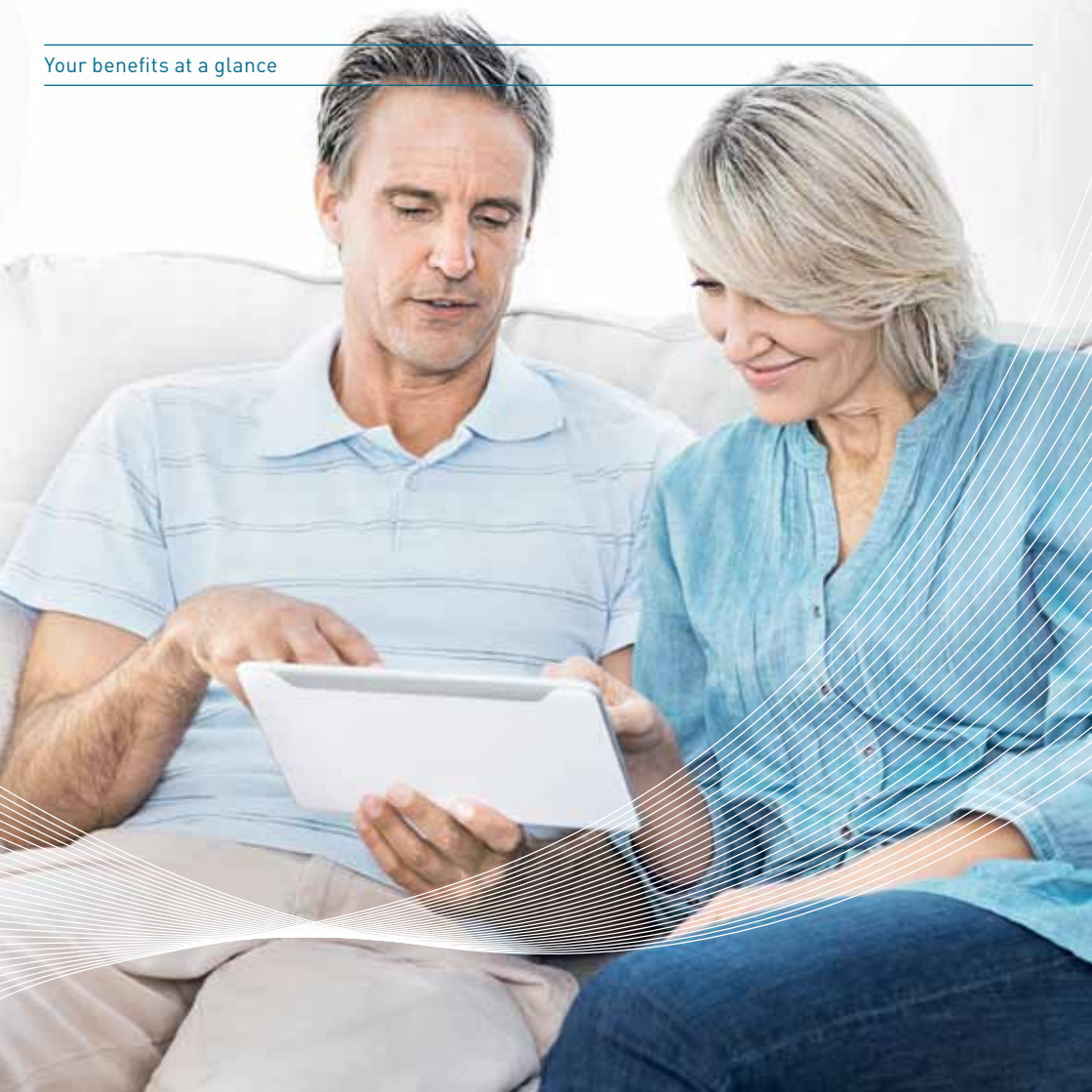
Luger MHA, Mc Alinden C, Buckhurst PJ, Wolffsohn JS, Verma S, Arba Mosquera S. Presbyopic LASIK Using Hybrid Bi-Aspheric Micro-Monovision Ablation Profile for Presbyopic Corneal Treatments. *American Journal of Ophthalmology.* 160(3):493-505. September 2015.

Luger MHA, Ewering T, Arba Mosquera S. One-Year Experience in Presbyopia Correction With Biaspheric Multifocal Central Presbyopia Laser In Situ Keratomileusis. *Cornea.* 32(5):644-652. May 2013.

Baudu P, Penin F, Arba Mosquera S. Uncorrected Binocular Performance after Biaspheric Ablation Profile for Presbyopic Corneal Treatment Using AMARIS with the PresbyMAX Module. *American Journal of Ophthalmology.* 155(4):636-647. April 2013.

Iribarne Y, Arba Mosquera S, Juárez E, Orbegozo J, Saiz Á. Bi-aspheric ablation profile for presbyopic hyperopic corneal treatments using AMARIS with PresbyMAX module: Multicentric Study in Spain. *Journal of Emmetropia.* 3(1):5-16. January to March 2012.

Your benefits at a glance



PresbyMAX® – Your benefits at a glance

Extremely safe as a result of treatment with technologically advanced SCHWIND AMARIS eye laser systems

- Very short, minimally invasive treatment time of just a few minutes
- Very rapid restoration of near vision
- High quality of vision at all visual distances
- Possible simultaneous correction of visual defects such as myopia, hyperopia or astigmatism
- High patient satisfaction
- Impressive clinical results



Superior technology which inspires trust

With high precision, reliability and safety, the SCHWIND AMARIS laser models your cornea and restores near vision. If necessary, any existing visual defects such as myopia, hyperopia or astigmatism can also be corrected at the same time.

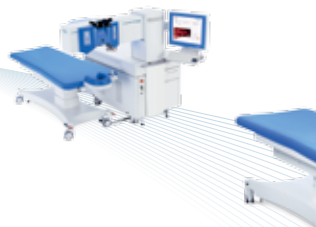
The AMARIS family comprises three excimer laser models:

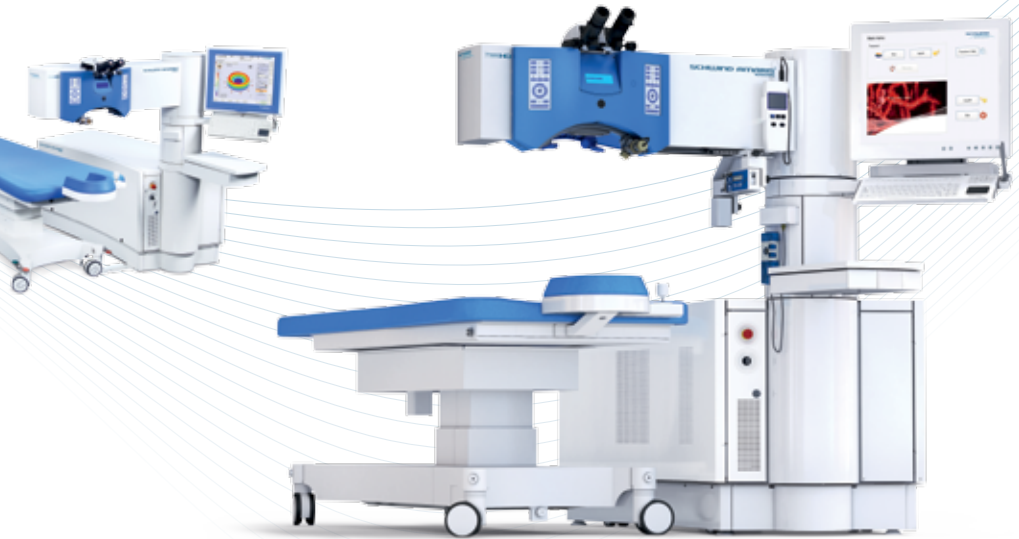
SCHWIND AMARIS 1050RS

SCHWIND AMARIS 750S

SCHWIND AMARIS 500E

All models feature impressive precision and speed, which redefine perfection in refractive corneal surgery.





For more information on the unique
SCHWIND AMARIS laser systems, please visit:
www.eye-tech-solutions.com

Frequently asked questions:

How is PresbyMAX® different from other procedures?

Presbyopia treatments with the excimer laser often aim to divide the work between the two eyes: One eye is sharpened for distant viewing, the other for near vision (monovision).

PresbyMAX represents a new and diversified generation. In this procedure, bi-aspheric, multifocal ablation profiles, which are mostly used in both eyes, establish extended depth of field for vision at all distances. Three-dimensional vision remains intact by the additional use of a mini-monovision. High patient satisfaction is achieved, even in cases of advanced presbyopia.

Who can be considered for treatment with PresbyMAX®?

- Patients who are exclusively presbyopic and wish to do without reading glasses
- Presbyopic patients with uncorrected myopia, hyperopia or astigmatism
- Presbyopic patients who have already undergone laser treatment with the goal of optimal distance vision and have had a good experience with it
- Presbyopic patients who have already undergone cataract surgery and now wish to be able to read without corrective lenses

How can I find out if PresbyMAX® is suitable for me?

Your treating specialist will clarify with you in a comprehensive preliminary examination whether treatment with PresbyMAX is suitable.

As part of this, in addition to diagnostic data, your job, hobbies and expectations of the treatment will also be considered.

Are glasses necessary after the treatment?

The goal of a PresbyMAX treatment is to achieve vision without glasses for day-to-day activities. In poor light, glasses can be advantageous for reading or seeing at a distance.

When will I regain my full vision?

You can generally read the newspaper without glasses again only a few hours after the treatment. Good intermediate and distant vision typically sets in within a week. Further improvement in quality of vision and full adjustment to multifocal sight are generally complete after several weeks.

In what cases is retreatment advisable?

It is sensible to repeat treatment if, after laser treatment, the presbyopia continues to progress and you require reading glasses once again. Your specialist will make the final decision after a thorough examination.

What clinical results are available?

To date, more than 12,000* people with presbyopia have undergone treatment with the PresbyMAX procedure. The impressive clinical results were published in scientific journals and document high patient satisfaction.

*as of 2019-11



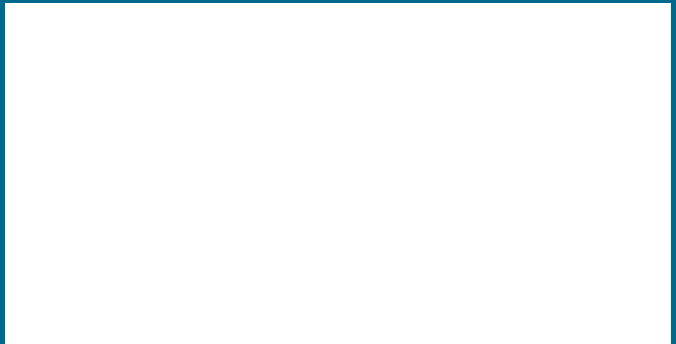
SCHWIND eye-tech-solutions

We are one of the technologically leading suppliers on the world market for refractive and therapeutic corneal surgery today.

SCHWIND is continuously setting new high-tech standards. The crucial technological features are developed at the corporate headquarters in Kleinostheim near Frankfurt am Main, Germany, in close cooperation with the users. SCHWIND also differentiates itself from other manufacturers in that it combines high-performance technology with the congenial characteristics of a family-run business.

We enable our partners, the corneal surgeons, to deliver optimum work results safely and reliably – and patients to enjoy a better quality of life.

Ask your specialist about
PresbyMAX® treatment procedures:



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