

## Acri.Comfort

The bitoric intraocular lens  
for the improvement of visual acuity  
and contrast sensitivity

In cases of astigmatism  
and cataract



**\*Acri.Tec<sup>®</sup>**  
for enhanced vision

## Cataract



Color perception in the presence of a cataract.

About 90 percent of the people aged 65 and above develop a cataract, which is an age-related opacification of the natural lens of the eye. Due to this cloudiness, the eye can no longer generate a clear image, similar to looking through a dirty window. The Greek word “cataract” means “waterfall”. It originates from the former belief that the grey color in the pupil was congealed liquid.

### ■ What can be done?

Cataract cannot be treated with drugs. In an early stage, power adjustment of spectacle glasses can result in temporary improvement. However, if visual acuity should no longer be sufficient disregarding best corrected spectacles or other visual aid, surgery remains the only treatment option that will lead to success.

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## Astigmatism



Effects of astigmatism.

Astigmatism is a deformation of the cornea that makes a dot appear as a small line or rod. The consequence of this visual impairment for near and distance vision is faulty perception of small objects and “distortion” of the image.

### ■ What can be done?

Spectacles with cylindrically ground glasses and toric contact lenses offer compensation and thus sharper vision. Low and high degrees of corneal distortion accompanied by significant limitation of the quality of life can be treated efficiently through implantation of a bitoric intraocular lens.

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## Cataract Surgery

What happens during cataract surgery?



Visual impression after surgery without astigmatism correction.

Cataract surgery is a painless procedure and is among the most common surgical interventions performed in humans throughout the world. The natural lens is removed through a small incision at the corneal margin, which is also used for the implantation of the new artificial lens. The operated eye is taped, which can already be removed the next day.

The incision is so small that it mostly does not even require suturing and is self-sealing. Usually, the entire operation does not take any longer than 20 minutes.

### ■ Cataract and Astigmatism

In most cases of cataract surgery a standard lens is implanted which is not able to correct corneal distortion. As a consequence, spectacles or contact lenses will still be required postoperatively for compensation of astigmatism.

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## Acri.Comfort – the Alternative

What are the advantages of Acri.Comfort?



After surgery with Acri.Comfort

Patients suffering from cataract and astigmatism can have both clinical pictures treated at the same time with the modern bitoric intraocular lens Acri.Comfort. Usually, this will result in more independence from spectacles and strongly improved visual acuity.

### Acri.Comfort offers major advantages:

- Acri.Comfort is custom-made for the patient
- Acri.Comfort offers a better contrast sensitivity and color perception than traditional toric intraocular lenses
- This means more comfort, safety and quality of life for the patient
- Acri.Comfort can be used in minimal invasive cataract surgery (microincision cataract surgery)
- Acri.Comfort is „Made in Germany“ and meets the highest safety requirements for medical devices

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The first step is always to consult your ophthalmologist. He knows about your personal situation and will advise you about whether a bitoric intraocular lens is suitable for your eyes.

**Questions:**

**After surgery, please observe:**



- Do not rub and press your operated eye during the first 2 postoperative weeks
- Use your medication as prescribed
- Attend control visits
- Avoid swimming and sauna for several days (infection hazard)
- Protect your eyes from water when washing your hair or taking a bath or shower
- Avoid physical efforts during the first postoperative days

## Quality, safety and innovation for your eyes

As one of the leading companies worldwide, Acri.Tec AG develops, manufactures and distributes ophthalmic products for ocular surgery. This includes: viscoelastic substances, surgical instruments and intraocular lenses that are used in more than forty countries worldwide.

All products have been developed in cooperation with an international network of leading ophthalmologists and ophthalmic surgeons. They are „Made in Germany“ and meet highest safety standards. Acri.Tec AG guarantees to supply ophthalmologists with premium quality and gives patients the certainty of having done the best for their eyes.

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