

# LOUPES

See.  
What is possible.





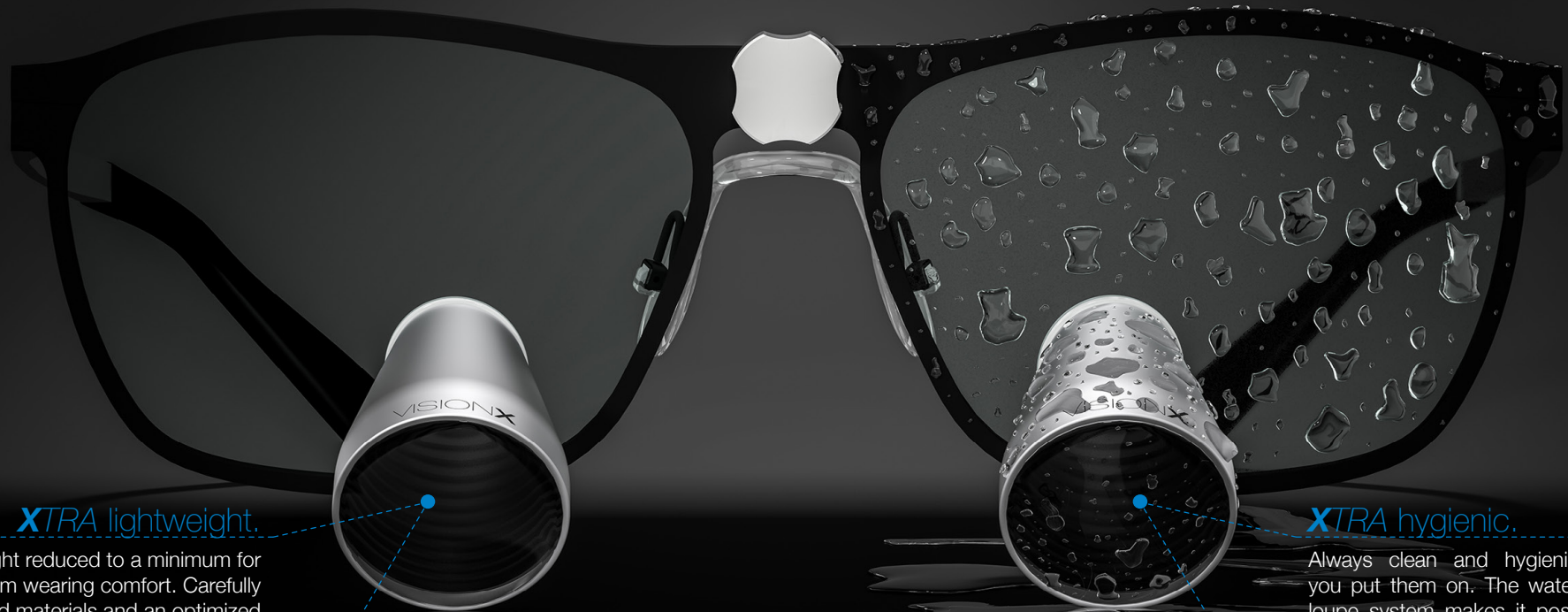
LOUPE SYSTEMS *custom*

*The details make  
the difference.*



# The best loupe we have ever made.

# Clean on the outside. Tight on the inside.



## **XTRA** lightweight.

Weight reduced to a minimum for maximum wearing comfort. Carefully selected materials and an optimized design mean that a pair of **VISIONX** loupes weigh a mere 22 g.

## **XTRA** brilliant.

Vivid images that keep their true colors in a brilliance that has never been seen before. An optical system that has been recalculated from scratch combined with specially manufactured glass lenses make all this possible.

## The evolution

Can the size be reduced while maintaining the field of view?  
Is it possible to increase optical quality and reduce weight at the same time?  
Is there a possibility of making cleaning as simple as possible?

## stems from the details.

We had to address these questions and many more before we could make a thoroughly good system even better. With more than 30 years of experience and the constant drive to achieve the perfect image, we faced up to the challenge. Our answer to all the questions: **VISIONX**.

## **XTRA** hygienic.

Always clean and hygienic every time you put them on. The watertight bonded loupe system makes it possible to wash the **VISIONX** under running water. This means that heavy soiling from blood, fat or make-up can be simply washed off prior to disinfection.

## **XTRA** robust.

Made for day-to-day use. The combination of high-quality glass optics and a durable aluminum case provide for an exceedingly robust loupe system.

# Small loupe. Large field of view.

## XTRA wide.

A sense that there are no limits. With a field of view of around 100 mm, the **VISIONX** shows its true qualities. Combined with a virtually rimless view, it provides a unique visual experience in comparison to conventional systems.

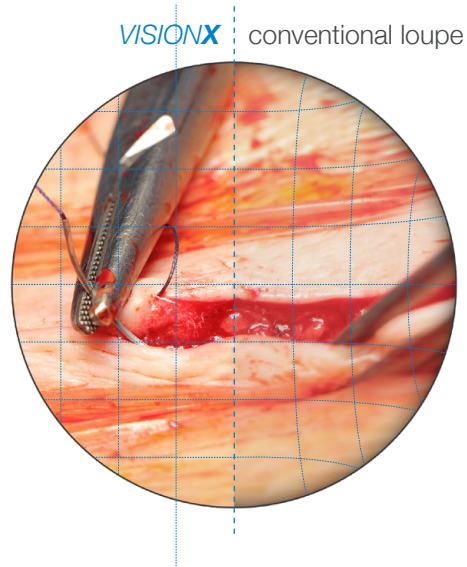
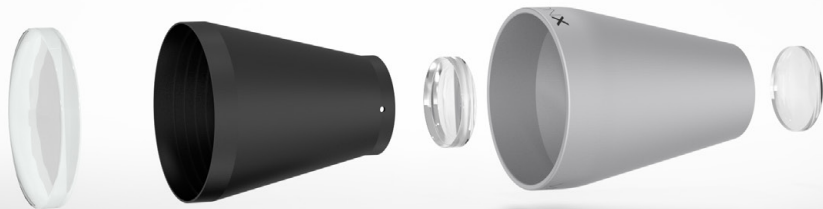
## XTRA clear.

The real world across the entire field of vision. For this, you need more than to generate a constant sharpness from the center to the edges. You also need to avoid annoying distortions of all kinds. Blurred edges and distortion are two things unknown to our **VISIONX**.

## XTRA thought through.

Put together from five precision parts and manufactured by hand in countless individual steps. This summarizes in a few words how the **VISIONX** is created.

But it's not that simple. We have thought about every detail and thought through every detail. The effort was worthwhile. A completely new loupe has come into being – Made in Germany.



# Greater individuality for less to complain about.

## XTRA customized.

The **VISIONX** is tailored to you. The working distance, interpupillary distance and eyesight are taken into account to produce a loupe that fits exactly and meets your every need. Should anything change, we make the necessary adjustments.

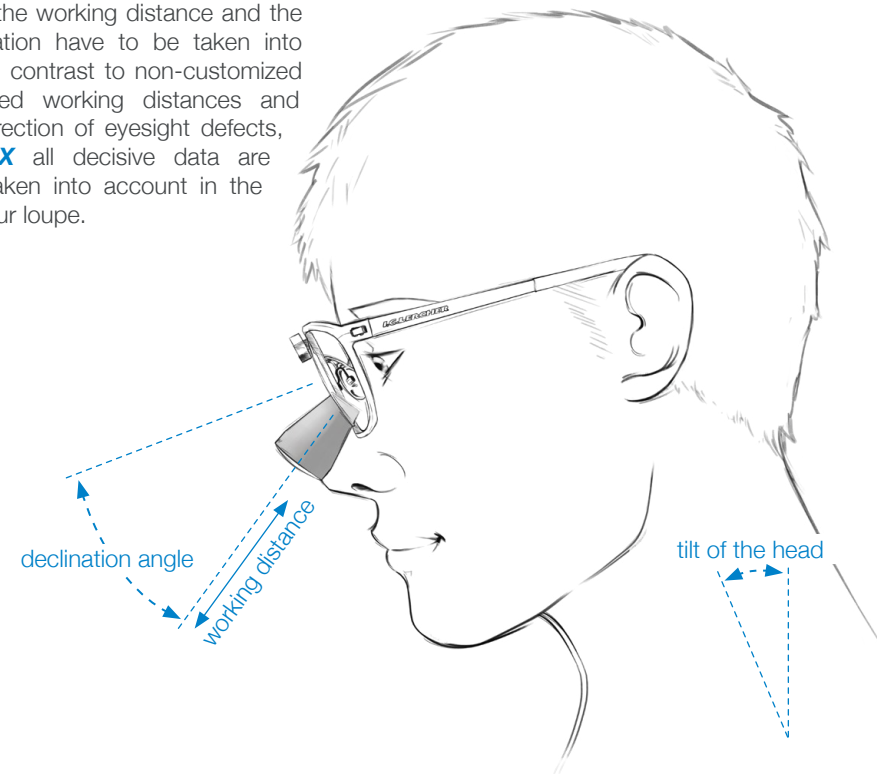
## XTRA ergonomic.

Pains in the neck and back caused by an awkward posture? We have tackled this problem.

The details of loupes are decisive in enabling an ergonomic working position – the basis for comfortable and concentrated work over extended periods of time. In this respect, the tilt of the head, the working distance and the angle of declination have to be taken into consideration. In contrast to non-customized loupes with fixed working distances and without any correction of eyesight defects, for the **VISIONX** all decisive data are collected and taken into account in the production of your loupe.

In particular, each individual's eyesight at the working distance plays a decisive role in being able to work comfortably. If this adjustment were not made, the actual working distance would not match the optimum value as determined. The consequences would be neck and back complaints triggered by an excessive tilt of the head.

Alongside customized production, the **VISIONX** enables greater declination angles thanks to its slim design. This makes it possible to reduce the tilt of the head even further. Whether standing or sitting, the **VISIONX** makes work even more ergonomic and relaxed, no matter what working distance and eyesight defects are involved.

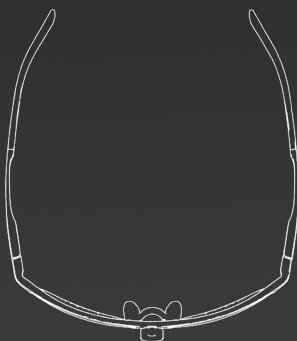
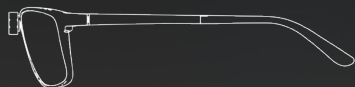


# CURVEDFRAME

The colour accent in grey  
everyday working life.



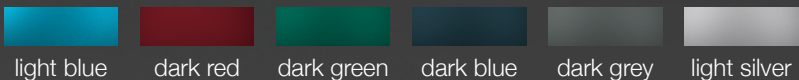
It combines the advantages of both worlds.  
The strong curvature provides good eye protection. In combination with a modern shape and a variety of colours, it becomes an all-rounder - dioptré compensation in the lens included.



## Facts and Figures.

General	
Material	Aluminium
Size	uniszé
Weight	25 g
Features	
Dioptré compensation	in glas
Magnetic adaptor	•

## available colours

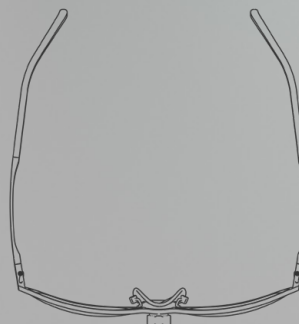
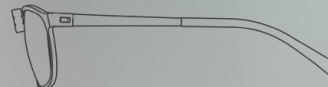


# TITANFRAME

Elegant and solid.  
A classic.



A timeless design made of titanium. In combination with elegant colours it is the solid classic among the frames. Dioptré compensation in the lens is also possible.



## Facts and Figures.

General	
Material	Titan
Size	uniszé
Weight	25 g
Features	
Dioptré compensation	in glas
Magnetic adaptor	•

## available colours



# SPORTFRAME

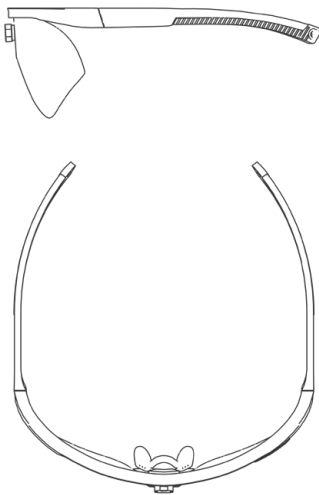
Practical. Comfortable.  
And well protected.



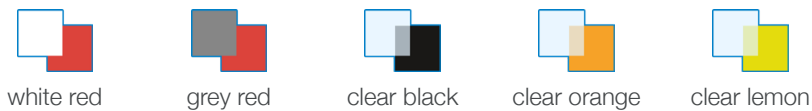
The sporty frame for best possible protection.  
Individually adjustable temples and an adjustable  
nose pad guarantee a perfect fit during treatment.

### Facts and Figures.

General	
Material	Plastics
Size	standard, medium, slim
Weight	30 g
Features	
Dioptre compensation	RX-Clip
Magnetic adaptor	•



### erhältliche Farben



### Model overview



### Numbers. Data. Facts.

	VISIONX 3.0	VISIONX 3.8	X-VIEW 2.8	M-VIEW 2.8	S-VIEW 2.8
Optical parameters					
Magnification	3.0	3.8	2.8	2.8	2.8
Working distance [ mm ]	individually	individually	individually	individually	individually
Field of view [ mm ]	100	45	110	90	80
Depth of field [ mm ]	180	70	200	170	140
Dioptre compensation	•	•	•	•	•
Housing					
Aluminium	•	•	•	•	•
Glas lenses	•	•	•	•	•
Waterproof	•	•	•	•	•
Weight per pair [ g ]	22	26	38	28	15
Ocular color					
silver	•	•	•	•	•
colorful	•				
Frame combinations					
CURVED-FRAME	•	•	•	•	•
TITAN-FRAME	•	•	•	•	•
SPORT-FRAME	•	•	•	•	•

### Ocular colors



silver



black



dark grey



light blue



mid blue



dark red



light orange



## COLOR-LINE

*See perfect.  
Look perfect.*



# Multiple combinations. Unique style.

Decades ago, loupes were black or silver. That's a thing of the past!

**COLOR-LINE** offers a color range of seven shades that make the loupes and lighting system shine not just in classic silver and black but also in elegant dark gray, a subtle blue, and the three flashy shades of light blue, red, and orange.

Combined with the colors of the frame series **TITAN-FRAME** and **CURVED-FRAME**, there are many variations to suit individual tastes and unique styles.

## Never boring. Never any compromises.

Whether classic, elegant, subtle, or flashy – there are no compromises in quality or durability.

**COLOR-LINE** is based on a high-quality and robust aluminum housing.

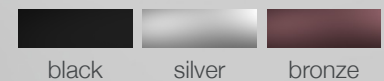
### Overview of colors.

The color range of **COLOR-LINE** is available for all models of the **VISIONX** series and the **LED-LIGHT CIRCLE** lighting systems and can be combined any way you like.

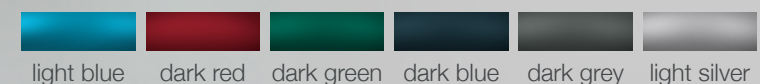
#### *COLOR-LINE color range*



#### *TITAN-FRAME color range*



#### *CURVED-FRAME color range*







## LIGHTING SYSTEMS

*Bring light into  
the dark.*



# More light. For more details.

*Compact, lightweight and ultra-bright.*

The LED-LIGHT CIRCLE has been specially developed for medical use. It produces an extremely bright light that provides uniform, shadow-free illumination.

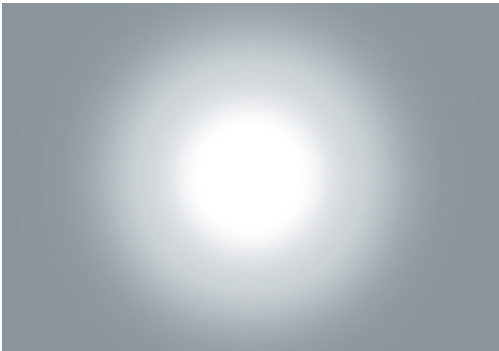
Thanks to its glass lens system, the LED-LIGHT CIRCLE guarantees a perfectly illuminated, sharp-edged,

true-colour field of vision without dazzling the patient. The axial connection to the loupe provides a direct link to the field of vision, ensuring that the treatment area is perfectly illuminated in every situation. Even when working in difficult-to-access areas, the LED-LIGHT CIRCLE ensures you are never in the dark.

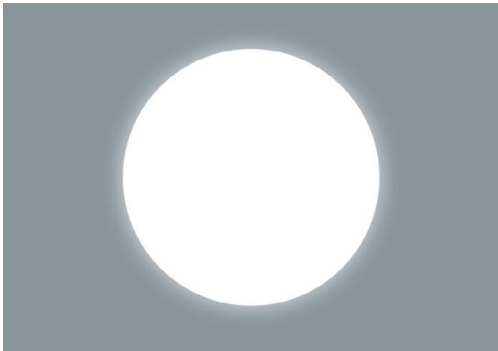
# LEDLIGHTCIRCLE

The integrated LED technology combined with the lithium-ion battery (supplied) means it can be used without distracting waveguides. This protects your neck and helps you to work in a more ergonomic way.

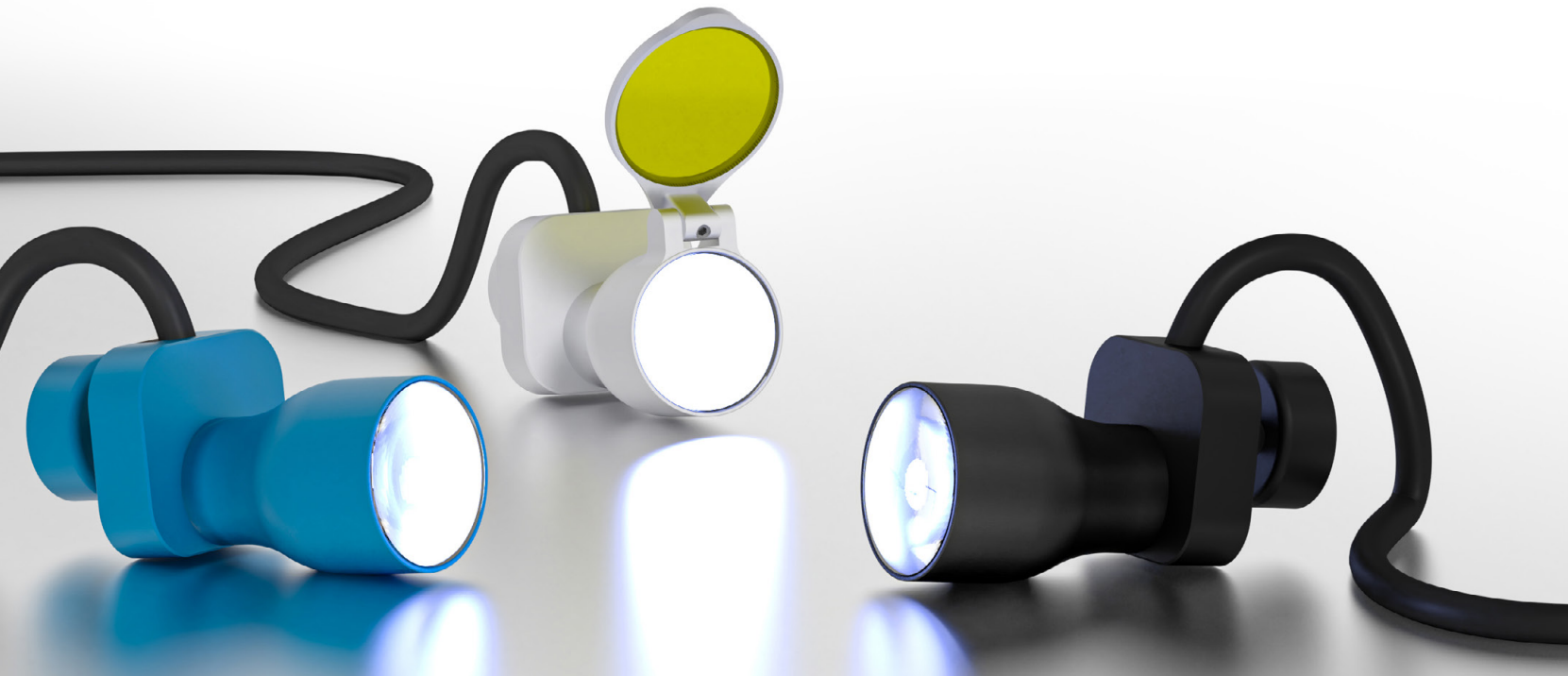
And at just 12 grams, the lightweight LED-LIGHT CIRCLE is ideal for all kinds of applications, including the operating theatre and treatment room – and even mobile use.



conventional LED-system



LED-LIGHT CIRCLE



### Facts and Figures.

General	
Technology	LED
Brightness levels	20.000 / 30.000 / 60.000 LUX
Colour temperature	5700 K (daylight)
Adaptor system	magnetic ( available for all types of surgical loupes )
Battery	
Technology	Li-ion, rechargeable
Battery life	7 hours at 60.000 LUX
Housing	
Material	Aluminium
Lens system	Glas
Colours	silver, black
Weight	12 g
Width	20 mm
Height	21 mm
Depth	40 mm
Filter	
without orangefilter	•
with orangefilter	•



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in Germany

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