



# Ultra-sharp vision

Surgical loupes and accessories

# Sport Frame Loupes

with VDC loupe technology



Extremely high depth of field and brilliant edge acuity

With a proven track record spanning several decades, we specialise in the development of high-performance magnifying eyewear. Our focus is on combining the very best in optical technology with unparalleled comfort.

The new VDC lens system (Variable Distance Control) attains both an extremely high depth of field and excellent edge acuity at 2.5x, 2.8x and 3.8x magnification.

The combination of a new anti-mist protective visor, a replaceable comfort nose pad and the dioptre adjustment option for people who wear glasses opens up completely new viewing possibilities and ensures improved wearing comfort – and everything at the highest safety standards.

# Sport Frame Loupes

with VDC loupe technology

## TTL X-View 2.8

Amazing universal



By using VDC lenses within the field of TTL technology (Through The Lens), we have succeeded in manufacturing a loupe that can be used for an astonishingly wide range of applications. The positioning of the loupe close to the eye provides a crisp image and depth of field that enables treatments to be carried out effectively in all kinds of situations.

Available colours:



## TTL S-View 2.8

Our light-weight



The TTL S-View VDC loupe is a further addition to our product family. The perfect balance between weight and wearing comfort will particularly be noticed by dental professionals who find a “conventional” TTL loupe too heavy. Similar to the TTL X-View loupe, the loupes are positioned extremely close to the eye, likewise making the S-View the perfect choice when it comes to visual performance and depth of field.

Available colours:



## TTL M-View 2.8

The compact class



The newly developed M-View is the optical center of our loupe systems. With its large field of view, it is also possible to easily capture the entire mouth bow, as well as with their amazing depth of field to take a comfortable position for each activity. All this with excellent overview and maximum comfort.

Available colours:



## Properties

	Magnification	Work distance	Visual field	Depth of field	VDC loupe technology	Waterproof loupes
	🔍	📏	⊖	⋮	👁	💧
TTL X-View 2.8	2.8x	individually	110 mm	200 mm	✓	✓
TTL M-View 2.8	2.8x	individually	90 mm	170 mm	✓	✓
TTL S-View 2.8	2.8x	individually	80 mm	140 mm	✓	✓

# Sport Frame Loupes

with VDC loupe technology

## TTL M-View 3.8

The new dimension



Specifically for the needs of modern methods of treatment a completely new loupe-generation was created. The M-View 3.8 achieved an impressive 3.8x magnification without the use of a heavy, optical limited prism system. The result is amazing: large field of view, wide depth of field, and the perfectly balanced weight ratios at 3.8x magnification.

Available colours:



## X-View Flip-Up 2.8

Simply flexible



Visual contact with the patient was a particularly important aspect to the design of the new flip-up loupes. Emphasis was placed on a slim, high-quality and attractively designed unit. In contrast to conventional models, they allow dental staff to retain that all-important direct visual contact with the patient.

Available colours:



## TTL TC-View 2.5

The entry-level model



The ideal way to enter a world of brilliant vision. This model also deploys VDC technology developed by I.C.LERCHER. Designed for entry-level users and students, as well as for prophylaxis, support and laboratory tasks, this TTL loupe is comfortable to wear, easy to use and offers excellent visual performance.

Available colours:



## Properties

	Magnification	Work distance	Visual field	Depth of field	VDC loupe technology	Waterproofed loupes	Dioptrre balancing
	🔍	📏	⊖	⋮	👁	💧	∞
TTL M-View 3.8	3.8x	individually	70 mm	130 mm	✓	✓	✓
TTL TC-View 2.5	2.5x	360 mm	100 mm	160 mm	✓	✓	✓
TTL TC-View 2.5	2.5x	420 mm	110 mm	180 mm	✓	✓	✓
X-View Flip-Up	2.8x	340 mm	100 mm	140 mm	✓	✓	✓

# Titan Frame Loupes

with VDC loupe technology



Ultra-sharp vision with individual corrective glasses

As an addition to our Sport Frame range we have developed a new **Titan Frame**. Thanks to this extremely light and modern frame, a corrective lens can be integrated directly in the glasses. Thus, spectacle wearers can enjoy the benefits of a loupe that has been tailored to their personal requirements.

The new Titan Frame guarantees accurate diagnosis and effortless treatment in every loupe combination.

# Titanium Frame Loupes

with VDC loupe technology

## TTL X-View 2.8

with individual corrective glasses



By using VDC lenses within the field of TTL technology (Through The Lens), we have succeeded in manufacturing a loupe that can be used for an astonishingly wide range of applications. The positioning of the loupe close to the eye provides a crisp image and depth of field that enables treatments to be carried out effectively in all kinds of situations.

Available colours:



## TTL S-View 2.8

with individual corrective glasses



The TTL S-View VDC loupe is a further addition to our product family. The perfect balance between weight and wearing comfort will particularly be noticed by dental professionals who find a “conventional” TTL loupe too heavy. Similar to the TTL X-View loupe, the loupes are positioned extremely close to the eye, likewise making the S-View the perfect choice when it comes to visual performance and depth of field.

Available colours:



## TTL M-View 2.8 or 3.8

with individual corrective glasses



The newly developed M-View is the optical center of our loupe systems. With its large field of view, it is also possible to easily capture the entire mouth bow, as well as with their amazing depth of field to take a comfortable position for each activity. All this with excellent overview and maximum comfort.

The M-View 3.8 achieves an impressive 3.8x magnification without the use of heavy, optical limited prism systems and offers a large field of view, wide depth of field, and perfectly balanced weight ratios.

Available colours:



## Properties

	Magnification	Work distance	Visual field	Depth of field	VDC loupe technology	Waterproofed loupes	Dioptre balancing
	🔍	📏	🕒	📏	🔍	💧	∞
TTL X-View 2.8	2.8x	individually	110 mm	200 mm	✓	✓	✓
TTL M-View 2.8	2.8x	individually	90 mm	170 mm	✓	✓	✓
TTL M-View 3.8	3.8x	individually	70 mm	130 mm	✓	✓	✓
TTL S-View 2.8	2.8x	individually	80 mm	140 mm	✓	✓	✓

# LED loupe light systems

for a perfectly illuminated field of vision



## Compact, lightweight and ultra-bright

The **LED light** systems have been specially developed for medical use. They generate an extremely bright light that provides ideal, shadow-free illumination (e.g. for cavities and root canals).

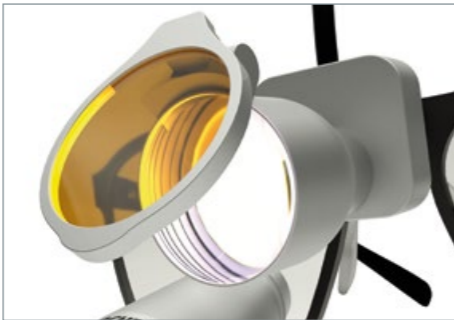
The glass lens system in the **LED light circle** guarantees a perfectly illuminated, sharp-edged field of vision without dazzling the patient. The orange filter has been directly integrated onto the **LED light circle** via the sturdy aluminium case and can be folded down quickly and easily if required.

The **LED light plus** wows with its ultra-low weight of around 6 grams, achieved thanks to the consistent use of plastic in its construction. A surgical lamp that is fixed in place simply cannot compete with the brightness that comes from the **LED light** systems, a fact that makes such a lamp redundant in many cases. This also means an end to the laborious process of readjusting surgical lamps since, logically enough, the light field generated by the **LED light** systems moves with the clinician's field of vision, even when they are working indirectly via a mirror.

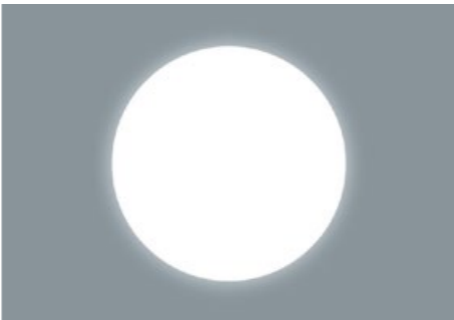
Features of the LED light circle  
Magnetic adapter



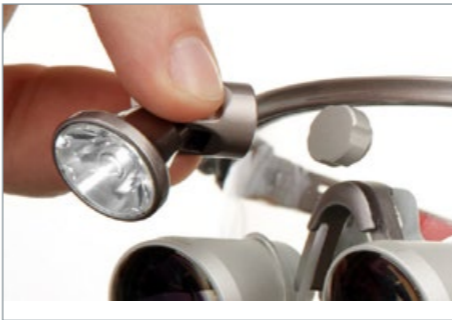
Folding orange filter



Light field – glass lens system



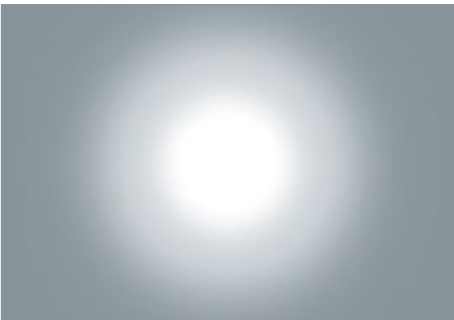
Features of the LED light plus  
Magnetic adapter



Swivelling orange filter



Light field – plastic lens system



	LED light circle	LED light plus
 Weight	12 g	6 g
 Brightness	20.000 / 30.000 / 60.000 LUX	15.000 / 25.000 / 50.000 LUX
 Battery	Li-Ion technology, rechargeable	Li-Ion technology, rechargeable
 Battery life	7 hours at 60.000 LUX	8 hours at 50.000 LUX
 Filter	Folding orange filter	Swivelling orange filter
 LED light colour	Daylight temperature 5.100 Kelvin	Daylight temperature 5.500 Kelvin
 Lens system	Glass lens	Plastic lens
 Housing colours	Aluminium in black or silver	Plastic in black, white or charcoal
 Adaptor system	magnetic, available for all types of surgical loupes	magnetic, available for all types of surgical loupes
 Cleaning	housing without air inlet vents easy to disinfect	housing without air inlet vents easy to disinfect

# Li-Ion battery

for operating the LED light systems

The LED light systems come with a “VARIO 3” Lithium-Ion battery plus matching charger.

Your I.C. LERCHER loupe light has three different brightness levels, which you can switch between using a button on the battery.



# Adapter system

to mount your I.C. LERCHER loupe light onto any standard loupe – with perfect results

- Universal Clamp**  
with magnet system  
for all eyeglass frames
- Zeiss Adaptor**  
magnet system for  
Zeiss loupes
- Orascopic Adaptor**  
magnet system for  
Orascopic loupes
- Heine Adaptor**  
magnet system for  
Heine loupes



Also available for **StarMed, SurgiTel, Bajohr, ExamVision** and **Orangedental**, further combinations on request.

# Accessories

for our Sport Frame surgical loupes

## Lenses



- Standard-Lens**

for a normal facial anatomy.  
Suitable for Standard-Frames.
- Medium-Lens**

for a small facial anatomy.  
Suitable for Standard-Frames.
- Slim-Lens**

for a small facial anatomy.  
Suitable for Slim-Frames.

## Frames



- Standard Frame**

for a normal facial anatomy.
- Slim Frame**

for a small facial anatomy.

Available colours:



## Dioptre balancing

Corrective lenses for long and short distance with convenient clip adaptor





680025-1 12116