



SurgiTel[®]



Vision and Ergonomics *at* Work

// *"SurgiTel® was founded to help clinicians (surgeons, dentists, hygienists, and veterinarians) practice without posture-related pain. I am most proud that we have helped many clinicians be able to take care of their patients without pain in their neck, back, and upper shoulders which they had for many years prior to using SurgiTel ergonomic loupes. Many clinicians have told me that SurgiTel ergonomic loupes saved their careers."*

— Dr. B. Jin Chang, Founder and Chief Scientist

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Company Video



TAKE THE STEPS TO PRACTICE PAIN-FREE

Practicing dentistry can take a toll on your body — and your eyes. Without proper ergonomic considerations when selecting equipment such as loupes, clinicians may experience back, neck, and shoulder strain that worsens over time. And while headlights are now essential in modern dentistry, many cool-temperature LEDs emit high levels of blue light that may contribute to visual fatigue.

SurgiTel loupes and headlights are designed to support safe, comfortable practice — helping protect your posture and visual comfort so you can enjoy a long, healthy career.

The SurgiTel® Advantage

SurgiTel was founded with a commitment to helping clinicians practice comfortably and safely. Our products are backed by science and research, and we are dedicated to educating dental professionals on ergonomic best practices — including complimentary evaluative services designed to help you practice pain-free.



Schedule A Free Evaluation



“I regret going almost 10 years like I did. Unfortunately, those 10 years did some irreparable damage to my skeletal system, however my neck pain immediately went away and I would say I have a 98% improvement.”
— Dr. Brian Lord, DDS



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Testimonial Video

“I commend SurgiTel for recognizing the potential retinal hazard from using very bright ‘cool white light’ LEDs. They have also taken steps to reduce the most dangerous blue light emission at 445 nm from the LEDs in their headlamps. I recommend that clinicians ask the manufacturers of LED headlamps and LED operatory lights to provide the spectral emission from their light source, not just the brightness or intensity of the light.”

— **Dr. Richard Price, BDS, DDS, MS,
FDS RCS, FRCD, PhD**



AVOIDING THE POTENTIAL BLUE LIGHT HAZARD

Blue light exposure has raised health and visual comfort concerns, yet many clinicians continue using blue-tinted LEDs marketed as “true color.” Independent third-party evaluations indicate that SurgiTel LEDs offer a safer, more neutral color temperature starting at 4,000K (Kelvin), while many other brands range from 5,400K to 10,000K. Benefits of eye-safe, true-color dental and surgical lighting include reduced eye strain and improved color accuracy.

The Stages of AMD

Normal Vision



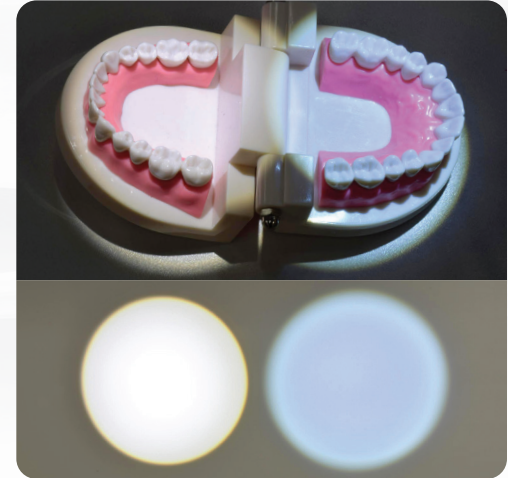
Early Signs



Intermediate



Advanced



Example comparison of SurgiTel Neutral (left) vs competitor (right).

[Scan to View All LED Comparisons](#)



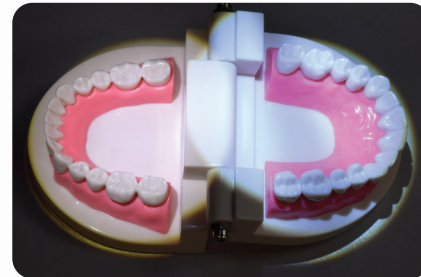
How to Evaluate Your Current LED Lights

Evaluating the color temperature of an LED beam can be challenging. Comparing your current LED headlight with a true-color, neutral LED is the most reliable way to assess color balance and visual comfort.

Contact us to evaluate your current lighting against SurgiTel's eye-safe, true-color LED headlights.



SurgiTel Neutral



SurgiTel Cool

HYBRID ERGO™ LOUPES

Hybrid Ergo™ loupes combine TTL clarity with deflection-loupe ergonomics via SurgiTel's proprietary suspended magnification. The oculars sit at the lowest point in a rimless bottom frame, delivering a steep declination angle for coaxial vision, natural hand-eye coordination, and comfortable head posture. Peripheral visibility lets clinicians monitor patients and assistants while focusing on the magnified target.



[Learn More](#)

1 Pantoscopic Tilt

Ergonomic pantoscopic tilt of the frame and lenses help eliminate gaps between the face and bottom edge of the lenses to give better eye protection.

2 Patented Suspended Technology

SurgiTel's patented suspended mounting technology allows for a steeper declination angle while keeping the magnified object in a coaxial alignment with your peripheral line of sight.

3 Ergo Fit Nose Pads

SurgiTel's patented Ergo Fit Nose Pad system easily conforms to satisfy various nose shapes and were also developed to support loupe weight and create optimal space between oculars and eyes.

4 Working Distance Caps

Only SurgiTel offers patented working distance caps that help you save on long term maintenance costs and downtime from needing Rx changes. Working distance caps come with all prism loupes.



ERGO IQ™ LOUPES

Ergo IQ™ features SurgiTel's latest evolution in ergonomic magnification for modern dental and surgical workflows. It pairs proven ergonomic engineering with a compact optical system designed to support healthier posture, clear vision, and everyday clinical efficiency.

1 Patent Pending Deflection Prism

The deflection angle of SurgiTel's patent pending Ergo IQ™ loupes are designed to give you a more tailored viewing angle for optimal neck posture and hand position.



Color Options:
Dark Grey, Silver, Champagne Gold

2 Compact, Low-Profile Design

The streamlined ocular housing allows clinicians to see around the loupes for enhanced peripheral awareness—making it easy to check monitors and communicate with patients.

3 Working Distance Caps

SurgiTel's patented interchangeable caps allow precise working distance adjustment and easy reading Rx updates.

4 Pantoscopic Tilt

Ergonomic pantoscopic tilt of the frame and lenses help eliminate gaps between the face and bottom edge of the lenses to give better eye protection.

LOUPE OPTIONS

2.5x (MICRO)



3.0x (MICRO)



2.5x



3.0x



Galilean



2.5x
MICRO

Field Size:
12.0 cm



3.0x
MICRO

Field Size:
10.5 cm



2.5x

Field Size:
13.2 cm



3.0x

Field Size:
9.9 cm

Mounting Options

Through-the-Lens (TTL),
Front-Lens-Mounted (FLM), and
Headband Mounting available.



3.0x



3.5x



4.5x



5.5x



6.5x



8.5x



10.5x



Ergo IQ™



3.0x

Field Size:
13.5 cm



3.5x

Field Size:
10.0 cm



4.5x

Field Size:
7.5 cm

ErgoDeflection™



5.5x

Field Size:
5.0 cm



6.5x

Field Size:
4.4 cm



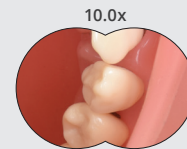
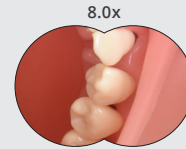
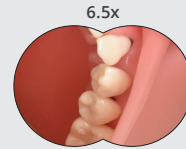
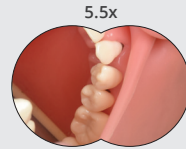
8.5x

Field Size:
3.5 cm



10.5x

Field Size:
3.0 cm



UltiView® Lite



3.0x

Field Size:
8.0 cm

UltiView®



3.5x

Field Size:
7.0 cm



4.5x

Field Size:
6.0 cm

UltiView® Pro



3.5x

Field Size:
8.0 cm



4.5x

Field Size:
6.5 cm



5.5x

Field Size:
5.0 cm



6.5x

Field Size:
4.0 cm



8.0x

Field Size:
3.5 cm



10.0x

Field Size:
3.0 cm

Field sizes measured at 18-inch working distance. Depth of field varies with individual eye accommodation.





“I have acquired four pairs of SurgiTel loupes over the years of practicing (2.0x, 3.0x, 3.5x, and 6.5x) and continue to be comfortable. I have lent pairs out to friends who have been having terrible neck pain. Within days of wearing SurgiTel loupes, their neck pain diminished. They are lightweight, high quality, and deeply declinated to comfortably wear all day, procedure after procedure. I would never even consider changing companies.”

— Dr. Nichole Anderson, DDS, RDH

FRAME OPTIONS

Frames Designed for Loupes

Not all frames are ideal for loupes. Our frames are carefully designed and selected to meet strict requirements for ergonomics, alignment, and safety.



Scan to View All
Frame Options

1 Stable and Lightweight

Sturdy frames maintain precise loupe alignment, even at higher magnifications. Lightweight design minimizes facial fatigue.



2 Ergo Fit Nose Pads

Adjustable Ergo Fit Nose Pad system for height and gap adjustments of the loupes to your eyes and adjustable shape for all nose types.

3 Flexible Ear Socks

Shape the ear socks for a secure, comfortable fit.

4 Pantoscopic Tilt

Pantoscopic tilt positions the oculars for a steeper declination angle and closes gaps at the lens bottom, improving fit and eye protection.

5 Mounting Block

Dovetail or Slide Retainer Mount for LED headlight and SurgiCam video camera attachment.

6 Carrier Lens Rx

Prescription lenses available with select frames.



SurgiTel® Frames



Nike® Frames



Oakley® Frames



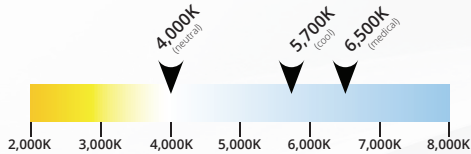
Scan to Watch Video

“All surgeons eventually develop neck and back pain. While not 100% is due to the loupes, the fact is that 100% is due to the long hours, stress, and posture. To the extent that the SurgiTel loupes correct so many issues (weight, posture, lighting), the proper loupes setup can make a huge difference to the majority of surgeons. In my case, it took away 90% of my back issues and allowed me to have a long career, performing over 200 heart procedures per year...”

— Dr. Raymond Singer, MD, MMM, CPE, FACS, FACC, FCCP

LED HEADLIGHTS

SurgiTel's patented optics create a unique achromatic beam that creates a clear, even circle of light with no hot spots or fading edges. Different procedures require different light to see the unique anatomical features. That is why SurgiTel offers three different light temperatures (Neutral, Cool, and Cool Medical).



Eclipse® CS Touch-Free Micro and Mini LED



Odyssey Micro and Mini LED



Surgical Mini and Micro LED



Wireless Air Micro and Mini LED



Surgical Headband LED 2.0



Scan to View All Light Options, Benefits, and Specifications



SURGICAM® HD

Record and broadcast your procedures from a clinician's eye view.

- SugiTel's loupe mounted SurgiCam HD video system provides a clinician's eye view recording of procedures while encouraging a healthy and safe working posture.
- The SurgiCam® HD can be outfit with three magnification options: 2x, 3x, 5x.
- Loupe and headband mounting options available.



Scan to Learn
More About the
SurgiCam HD



ERGOSIT™ SADDLE STOOL

Ergonomic Seating Designed for Healthier, More Productive Dentistry.

Proper posture starts from the ground up. The SurgiTel ErgoSit™ Saddle Stool and ErgoSit™ Assistant Stool help clinicians maintain a neutral, upright working position — reducing fatigue, supporting spinal alignment, and improving long-term musculoskeletal health. Both models share the same ergonomic foundation, with the Assistant version adding an adjustable armrest for upper-body support during long or repetitive procedures.



ErgoSit™ Operator Saddle Stool



ErgoSit™ Assistant Saddle Stool



Color Options:
Black, Grey, Tan

EXPERIENCE THE SURGITEL DIFFERENCE

SurgiTel offers a suite of Vision and Ergonomic products including a full range of magnification loupes (2.5x to 10.5x), several true color LED headlight options, ergonomically designed stools, and loupe mountable HD cameras. SurgiTel has focused on innovations that follow our mission: To enhance our clients' work and lives by supporting their best working posture, alleviating compounding neck and back strains, and helping them give patients the best care. We achieve this by innovative products that enhance Vision, Posture, and Comfort.

Schedule an In-Person Demo and Evaluation (USA/Canada)

www.surgitel.com/evaluation



Find Your Local Sales Rep (USA/Canada)

www.surgitel.com/contact-directory



Find Your International Distributor

www.surgitel.com/international-distributors



Service and Support (USA/Canada)

www.surgitel.com/support

For customer care call or email us at
1-800-959-0153 / support@surgitel.com



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Primary U.S. Patent Numbers: US 7,791,798; US 8,913,318; US 8,964,291; US 9,465,235; US 7,719,765; US 11,013,573; US 12,386,206;
US 10,066,816; US 9,383,077; US 9,494,299; US 9,052,455; US 8,068,169; US D649,571; US D746,354.

Stop Neck Pain!

with **Ergonomic Loupes from SurgiTel.**

Requirement of ergonomic loupes is a head tilt angle of less than 20-degrees.



77 Enterprise Drive
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**Non-Ergonomic
TTL Loupes**

**SurgiTel
Hybrid Ergo™**

**SurgiTel
ErgoDeflection™**