

SurgiTel[®]

1-800-959-0153

SURGITEL.COM



OAKLEY

vision
& ergonomics
at work

VISION

No Magnification



2.5x Magnification



8.0x Magnification



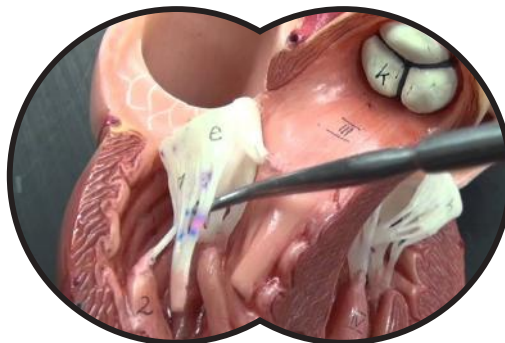
MAGNIFICATION

SurgiTel offers magnification from 2.5x to 8.0x (2.5x, 3.0x, 3.5x, 4.5x, 5.5x, 6.5x, 8.0x). Not every clinician may need 8.0x magnification, but every clinician will find a fit among SurgiTel's many options.

FIELD OF VIEW

SurgiTel loupes maximize your field of view by utilizing both oculars for a binocular effect. A wider field makes for easier and faster work, and better outcomes.

Pictured: The same scene, equally magnified, binocular view vs. monocular view.



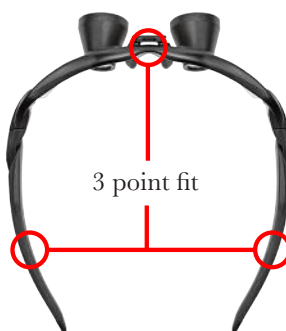
Area in Focus

DEPTH OF FIELD

SurgiTel maximizes your depth of field using ocular positioning and other proprietary technology. A longer depth of field makes for easier and faster work, and better outcomes.

ALIGNMENT & STABILITY

Visual quality relies on a secure and stable mounting. SurgiTel delivers the clearest vision through quality optical components and construction, and patented stabilization technology.



3 point fit



rack stabilizers

ERGONOMICS

WHICH CLINICIAN ARE YOU?



Figure a.

TRADITIONAL LOUPES



Figure b.

SurgiTel®

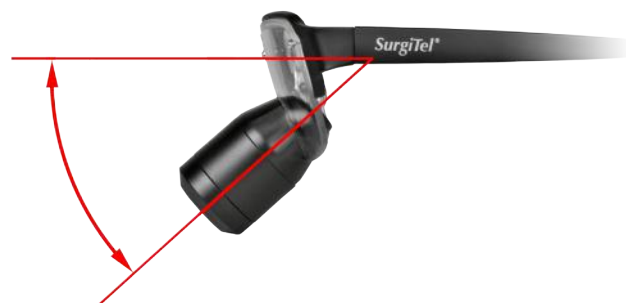
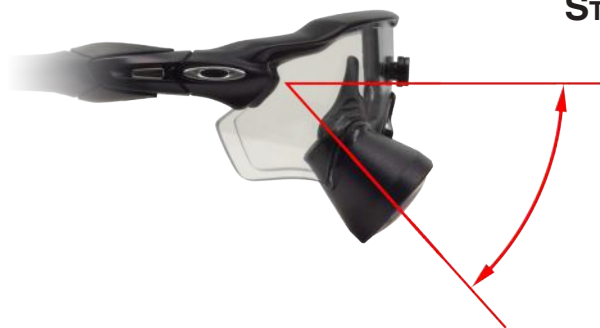
Up to 92.3% of clinicians report having working pain. Of those, the majority complained of cervical spine pain, musculoskeletal fatigue, and vertebral disc injury¹. Injuries like these often become chronic, and eventually require surgical intervention.

Don't put your career at risk by working with loupes with a shallow declination angle (Figure a.).

SurgiTel loupes feature steep custom built declination angles (Figure b.) for a long and pain-free career.

1. Chitnis, Deepak. "Operating with Pain: Surgeon Workplace Injury Underrecognized." ACS Surgery News 12.4 (2016): 1+. Print.

STEEP DECLINATION ANGLE



INDUSTRY PERSPECTIVES



"I feel that SurgiTel is way ahead of the game compared to their competitors in ergonomic features. The features are much better than other brands in overall comfort."

—*Darryl Hatchett,*
DDS



"If the equipment doesn't work for the clinician, the clinician will most certainly work for their equipment! Sadly, most clinicians do work for their equipment."

—*Lance Rucker,*
DDS, AB, BSCD



"The SurgiTel loupes have essentially eliminated all of the neck and back pain that I have previously endured while performing surgery."

—*Raymond Singer,*
MD, MMM, CPE, FACS,
FACC, FCCP



"The SurgiTel front-lens-mounted, loupes are one of the few loupes on the market today that offers [the] adjustability to allow the operator to maintain a safe head posture."

—*Bethany Valachi,*
PT, MS, CEAS

LOUPES

THROUGH-THE-LENS (TTL)

- Custom built to your specifications
- Pantoscopic tilted frames for a better ergonomic angle and wider field-of-view



FRONT-LENS-MOUNTED (FLM)

- Vertical Slide for optimal eye alignment
- Loupe stabilization technology for clearest vision



MICRO LINE

- Miniaturized oculars for lightest weight
- Available for both Galilean and Prism oculars



COMPACT LINE

- Most versatile oculars with widest field
- Available for both Galilean and Prism oculars



CLINICIANS REPORT* HAS REVIEWED...

Clinicians Report® was founded in 1976 to provide practitioners with reliable reviews of products to help professionals make educated product purchases. Each year, they test more than 750 product brands. Here's what they have to say about the importance of ergonomic loupes!



- “Loupes can immediately improve posture, if proper measurements are selected.”
- “Greater declination angles reduce head tilt, improve neck posture and reduce muscle / ligament strain.”

- “Some modern frames (pictured: Ergo Max by SurgiTel) offer improved declination angles (notice the slant of both lenses and frame, allowing the optics to decline more).”



2.5x



3.0x

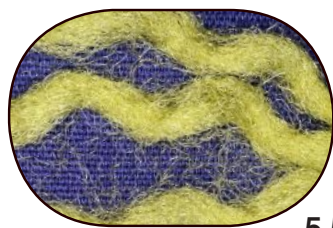


3.5x

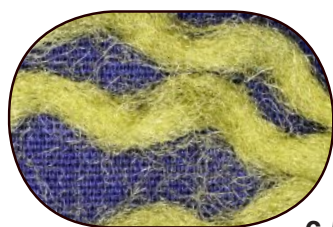


4.5x

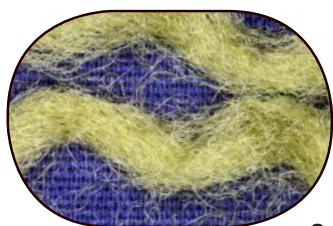
MAGNIFICATION



5.5x



6.5x



8.0x



PRISM PRO LINE

- Professional level magnification - detailed work is faster and easier
- See important details you would have missed otherwise
- Only SurgiTel offers such high magnification in both TTL and FLM options

PRISM SIZE & WEIGHT REDUCTION



SurgiTel® Micro Prism Loupe



Other Prism Loupe #1



Other Prism Loupe #2

SurgiTel Loupes use patented technology to reduce the size and weight of Prism oculars for a more comfortable and easier to use loupe. An added benefit is fewer mounting limitations which results in more ergonomic loupe choices.



“My current set of loupes, SurgiTel Prism Pro 5.5x, have fulfilled [my] need[s] wonderfully. When coupled with SurgiTel’s LED Headlight, the road is paved to timely diagnosis, decisive treatment and meaningful productivity.”

—**Martin Goldstein,**
DMD, FAGD



“Implementing high power (4.5x to 8.0x) lighted loupes will improve your practice daily. SurgiTel Prism Pro loupes will be your new magnification standard.”

—**George Grayson,**
BSC, MSC, DDS

CLINICAL LIGHTING



BEAM QUALITY

SurgiTel's patented optics create a unique achromatic beam which creates a clear, even circle of light with no hot spots or fading edges. Hot spots induce glare and faded edges reduce clarity. SurgiTel's LED illuminates your target evenly and is comfortable to the eye.

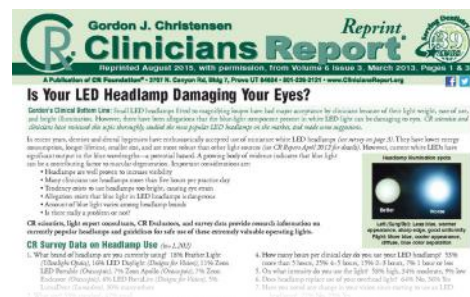
COLOR ACCURACY

SurgiTel lights have several custom calibrated color formulations. Our neutral light is optimized for color accuracy and eye safety. Your target will appear as if under clear sunlight - instead of an artificial source. These models are ideal for cosmetic procedures and color matching.



BLUE LIGHT HAZARD

Clinicians Report* awarded a **CR Choice** Rating to SurgiTel's Micro LED, a "Small bright LED headlamp with **lowest blue peak**, best color accuracy, light weight, no glare in patients' eyes and overall excellent grade."

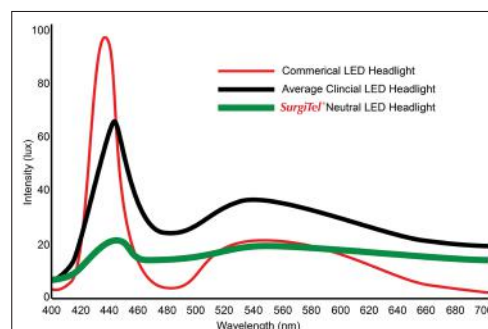


*An independent, non-profit, dental education and testing foundation, Clinicians Report®, August 2016. For the full report go to www.SurgiTel.com/CR



"I commend SurgiTel for recognizing the potential retinal hazard from using LEDs. They have also taken steps to reduce the most dangerous blue light emission from headlamps."

—Richard Price,
BDS, DDS, MS, FDS,
RCS, FRCD, PhD



WIRELESS LED

- Brightest wireless LED option
- Best beam uniformity with patented optics
- Consistent beam pattern over working distance range
- Advanced lithium battery for consistent light output
- Excellent color rendering
- Adaptable to other loupes, frames or headbands



MICRO LED

- Lightest loupe-mounted weight
- All day battery
- Adjustable brightness
- Attaches to other major loupe brands



MINI LED

- Brightest loupe-mounted beam
- All day battery
- Adjustable brightness
- Attaches to other major loupe brands

SURGICAL HEADBAND LED

- Brightest LED option
- Features the enhanced beam quality of all SurgiTel LEDs



COMPARED TO XENON:

- No more cables lying on the floor
- No more being tethered to the source box
- Battery powered and portable
- No more replacing parts like bulbs and cables

ECLIPSE TOUCH-FREE LED

- Avoid the risk of cross-contamination
- Attaches to any loupe brand and model



Turn on/off with a hand movement

FRAME OPTIONS

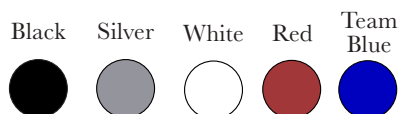


SurgiTel has chosen to work with Oakley frames because of their unique suitability for loupes.

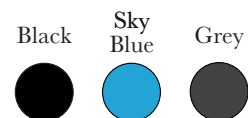
- Extremely lightweight and sturdy
- 3-point fit for best weight distribution
- Steep pantoscopic tilt for enhanced ergonomic angles
- Used by both athletes & U.S. Military



RADAR EV



FLAK 2.0



HALF JACKET 2.0

Black



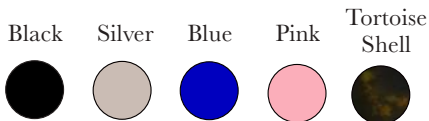
SurgiTel®

SurgiTel frames are custom made for loupes. They are built with the versatility, strength, and ergonomic features required for the most precise and best performing loupes.

- Available built in laser and x-ray filters
- Built in eye prescriptions
- Mounts the highest magnification levels



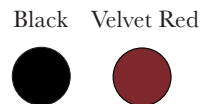
ERGO MAX



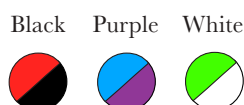
SUNDOG DRAW



COMFORTFLEX



SUNDOG PRIME



AERO 2.0



SEATING



SurgiTel's loupes work together with ergonomic chairs and stools to support correct posture. This combination is required to fully prevent pain and injury to the neck and back. With multiple adjustments for seat, arm and back these chairs are designed to fit both you and your work.

RGP Brand Seating: As SurgiTel is the expert on loupes and lights, RGP is the expert on ergonomic stools and chairs. In order to give you the Total Ergonomic Package, SurgiTel has partnered with RGP to provide more solutions for your practice with one visit.

SURGI CAM HD



Record and review your procedures with SurgiTel's loupe-mounted, high-definition digital video camera.

USE SURGI CAM FOR

- **Training:** either live or recorded, viewers get a direct view of your work
- **Sharing:** share video locally or over the Internet
- **Publication:** unique and new procedures can be shared with outside parties
- **Documentation:** keep an indisputable record of entire procedures
- **Transmitting:** transmit live procedures anywhere in the world
- **Consultation:** coordinate, live or remote consultation

Standard Definition model, SurgiCam Pro still available



Advanced miniaturization makes unit lighter than four quarters



USB plug & play



Recording Software Included

EYE PROTECTION



LASER FILTERS

- Filters out dangerous laser wavelength ranges
- SurgiTel's custom tilt angle provides protection without goggles



X-RAY PROTECTION GLASSES

- Protects the eyes from x-ray radiation which can cause early cataract development
- SurgiTel's custom tilt angle provides protection without goggles

LOUPE & LIGHT ACCESSORY PRODUCTS



SCI-CAN CLEANING SPRAY

Cleaning and disinfecting spray. Safe and effective for SurgiTel products.



RETAINER STRAP

To maintain a secure fit, plan on replacing your strap every few years.



WORKING DISTANCE CAPS

Change your working distance for different procedures or to increase magnification effect.



CLEAR PROTECTIVE CAPS

Protect your loupes from debris and scratches with these replaceable, protective caps.



RIMLESS DROP-IN EYE PRESCRIPTION

Removable eye prescription lenses for TTL Loupes.



LED FILTER

Replacement curing filter for LED headlights.

LOUPE REFURBISHMENT

When your loupes keep working, you keep working! The best way to make sure your loupes continue to provide the best vision is to start a refurbishing schedule. As the manufacturers, we can easily recognize what might go wrong soon and fix issues even before they happen! To keep loupes in "tip-top" shape, we recommend that you schedule a loupe refurbishment once a year.

Contact us at 1-800-959-0153 now to schedule your refurbishment.



Your Local Representative:

Rep Name

Rep Phone

Rep e-mail

VISION & ERGONOMICS

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.

ABOUT SURGITEL

SurgiTel is a division of General Scientific Corporation (GSC), which has been making a variety of optical components and equipment since 1932. In 1992 GSC entered the medical market, developing a line of ergonomic loupes based on multiple patented concepts which help clinicians alleviate their neck and back pain. GSC is located in Ann Arbor, Michigan.

MAJOR PATENTS: us 7,791,798; us 8,913,318; us D649,571; us 8,964,292; us 9,465,235; us D746,354; us 9,383,077; us 7,719,765; us 9,494,299; us 8,068,169

For information about our additional patents and patents pending, please contact SurgiTel.

GENERAL SCIENTIFIC CORPORATION 77 Enterprise Drive, Ann Arbor, MI 48103