vision & ergonomics at work
**SurgiTel®** was the first clinical magnification company to focus on both vision and ergonomics through our award-winning surgical telescopes. Our ErgoVision HD technology and Patented Ergonomic designs ensure that you see, feel and work your best.

**ErgoVision HD technology** uses the highest-grade, multicoated glass optics to deliver superior optical performance.

**Patented ergonomic designs** ensure the best neck posture and comfort so you can feel your best all day.

**Posture**

Why does SurgiTel® provide the best posture? SurgiTel’s patented ergonomic designs minimize the head tilt angle with the best declination angle.
Oakley is the worldwide standard in high-performance eyewear. Decades of innovation—including 540 patents worldwide—blending innovation and style, have made Oakley the mark of excellence and the frame of choice for the world’s top professionals in sports, industry and medicine.

Oakley’s HDO Technology delivers unbeatable clarity and protection at all angles of view.

Oakley’s Three-Point Fit ensures the highest-degree of comfort while keeping the lenses in precise optical alignment.

Comfort & Style

SurgiTel® and Oakley provide the best combination of superior optics and high performance frame technology so you can see, feel and work your best.
Front-Lens-Mounted Telescopes

**The ErgoVision® HD Advantage**
- SurgiTel patent: vertical slide (double adjustment)
- The only fully adjustable front-lens-mounted telescope

**SurgiTel**
- Patented vertical slide
- Precise visual
- Best posture
- Telescope fits the user

**Other Telescopes**
- No vertical slide
- Misaligned visual
- Poor posture
- User must fit to the telescope

Through-the-Lens Telescopes

**The ErgoVision® HD Advantage**
- SurgiTel patent: Ergo frame tilt
- Only SurgiTel provides an increased declination angle through our ergonomic frame design

**SurgiTel Telescopes**
- Patented Ergo frame tilt
- Increased declination angle
- Improved posture

**Other Telescopes**
- No frame tilt
- Limited declination angle
- Poor posture
Expanded Field Prism Telescopes

**The ErgoVision® HD Advantage**
- 30% lighter and 30% more compact than other prism telescopes
- Up to 20% greater field size
- New coatings provide 20% more light transmission

Interchangeable working distance caps

Micro 250 Telescopes

**The ErgoVision® HD Advantage**
- Lightest full-featured telescope in clinical magnification (10 grams)
- Exceptional depth of field and field of view
- Increased peripheral vision

Other Telescopes
- No frame tilt
- Limited declination angle
- Poor posture
Headlights

- Shadow-free images
- Excellent color rendering
- Coaxial adjustment mount
- Adaptable to other telescopes, frames or headbands

Odyssey LED

- First digitally controlled LED headlight
- Compact design for all day use
- Excellent color rendering
- Advanced lithium battery for consistent light output

Precise digital output control
Optional curing filter

Xenon Fiber Optic Lights

- Brightest and whitest headlight
- 180W and 300W options
- Single rotating turret for FO cable compatibility

Other headlights
The SurgiCam is the most advanced digital video camera that allows you to capture and share exactly what you’re seeing.

Dr. Michael K. McGuire
Houston, TX

SurgiCam™
Digital Video Camera

- Capture on video exactly what you see
- The first loupe-mounted, completely digital video camera system
- SurgiCam’s patented technology allows for the easiest and most efficient form of digital documentation of procedures

“The SurgiCam is the most advanced digital video camera that allows you to capture and share exactly what you’re seeing.”

Optical & Laser Filters

- Image Enhancement Filters (color contrast)
- Polarizing Filters (glare reduction)
- Rx Laser Filters
- Leaded Lenses

USB plug and play
Straight digital output

Advanced miniaturization
Small and lightweight
Magnification
SurgiTel magnification powers are listed to accommodate your best working posture.

Other loupes may list their magnification powers for closer working distances (for example, 12”). Therefore, at your best working posture (for example, 16”) you will in fact be getting less magnification than what is stated.

Field Size
SurgiTel field sizes help you see more of your work site.

Depth of Field
SurgiTel provides a long depth of field to allow you to work with comfort and flexibility.
The more the head is tilted, the faster significant muscle fatigue will set in. Fatigue Chart originally published by Chaffin, *Journal of Occupational Medicine*, 15(4), 1973.

“SurgiTel *eliminated all of the neck pain* that I previously endured with other traditional telescopes.”

Raymond L. Singer, MD  
Chief of Thoracic Surgery, Lehigh Valley Hospital

“Today, with the SurgiTel System, I can work without the neck pain I had before using other telescopes. *I am more proficient and creative* in my practice because of SurgiTel.”

Patrick L. Roetzer, DDS, FICD

**Neck Posture and Pain**

**Head Tilt Angle and Neck Fatigue**

![Diagram showing neck posture and pain](image)

The more the head is tilted, the faster significant muscle fatigue will set in.
Our Mission

At SurgiTel®, our mission is to improve the way people work.

We achieve this by creating innovative products that enhance:

Vision
Posture
Comfort

GSC

General Scientific Corporation is a global leader in optical technology.

Established in 1932, GSC designs and manufactures quality optics for clinical, commercial, aerospace and scientific applications. GSC is an ISO 9001:2000 certified company, ensuring the highest quality products for our customers. Made in the USA, our products are recognized worldwide and sold in over 40 countries.