ORASCOPTIC

PRODUCT CATALOG

Dentists | Hygienists | Surgeons

ORASCOPTIC

At Orascoptic, we see more than just magnification. We see the people behind the lenses. For more than 45 years, we've pioneered advancements in visualization and ergonomics that help clinicians protect their posture, preserve their performance, and deliver exceptional patient care. Our products are custom-crafted to be an extension of you. Not one-size-fits-all tools, but precision instruments tailored to your work, your style, and your goals.

Because seeing clearly isn't the goal. It's just the beginning.
We're here to help you work smarter, feel better, and go further.



ORASCOPTIC

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INNOVATION THAT LEADS AND REDEFINES

Innovation isn’t something we claim.
It’s something we’ve proven again and again.

We were the first to offer integrated headlights. The first to launch variable magnification loupes. The first to bring interchangeable optics into daily clinical use. And we’re just getting started.

Our newest breakthrough, ErgoZoom, combines ergonomic posture support with adjustable magnification in a single, groundbreaking system. It’s the next step forward in a long history of seeing what others don’t.

Many of the industry’s most celebrated technologies were born right here. That’s not coincidence. It’s commitment. We stay close to clinicians and one step ahead of competitors, anticipating what’s next and making it real before anyone else.



ERGOZOOM™

Combines variable magnification with ergonomic, deflection-style viewing.



EYEZOOM™

First and only loupe with 3-step variable magnification.



OMNI OPTIC™

First interchangeable magnification loupe system.



XV1™

First fully integrated loupe and headlight combo.



DRAGONFLY™

Wireless loupe with built-in light.



HDL™ ERGO

Ergonomic design with refractive prisms.



TRUCOLOR™

High-CRI illumination for natural light fidelity.



TEMPO™ REFINED FIT

Designed for clinicians with lower nose bridges and prominent cheekbones.



PATENTED HEADLIGHTS

Uniform light distribution across the optical plane.

INNOVATION IN ACTION

Dragonfly and ErgoZoom are two of our most advanced products yet, both built to meet the evolving needs of clinicians and the ever-growing demands of a modern practice. Each one moves the profession forward, and together they demonstrate our commitment to continuous improvement and innovation. We're not just building products, we're shaping the future of clinical performance.

DRAGONFLY™

A New Standard in Cordless Comfort

Dragonfly is our award-winning loupe with a fully integrated headlight. No cords, no external battery packs, no distractions. It's everything clinicians love about our frames, combined with a rechargeable, lightweight illumination system that moves with you.



ERGOZOOM™

Precision That Adapts to You

Combines ergonomic deflection optics with variable magnification. Clinicians no longer have to choose between comfort and clarity. With ErgoZoom, you can sit upright and adjust your field of view in real time, without switching tools or shifting posture. ErgoZoom adapts easily to the way you work.

THE CLEAREST IMAGE IN THE INDUSTRY, CONFIRMED

Orascoptic delivers objectively exceptional optical performance. We use independent sources to verify the quality and clarity of all our oculars, and we consistently outperform the competition in measures of accurate resolution, light transmission, and field width and depth.

Here's how just one of our most popular oculars, the HDL™ 2.5x, stacks up to the competition.

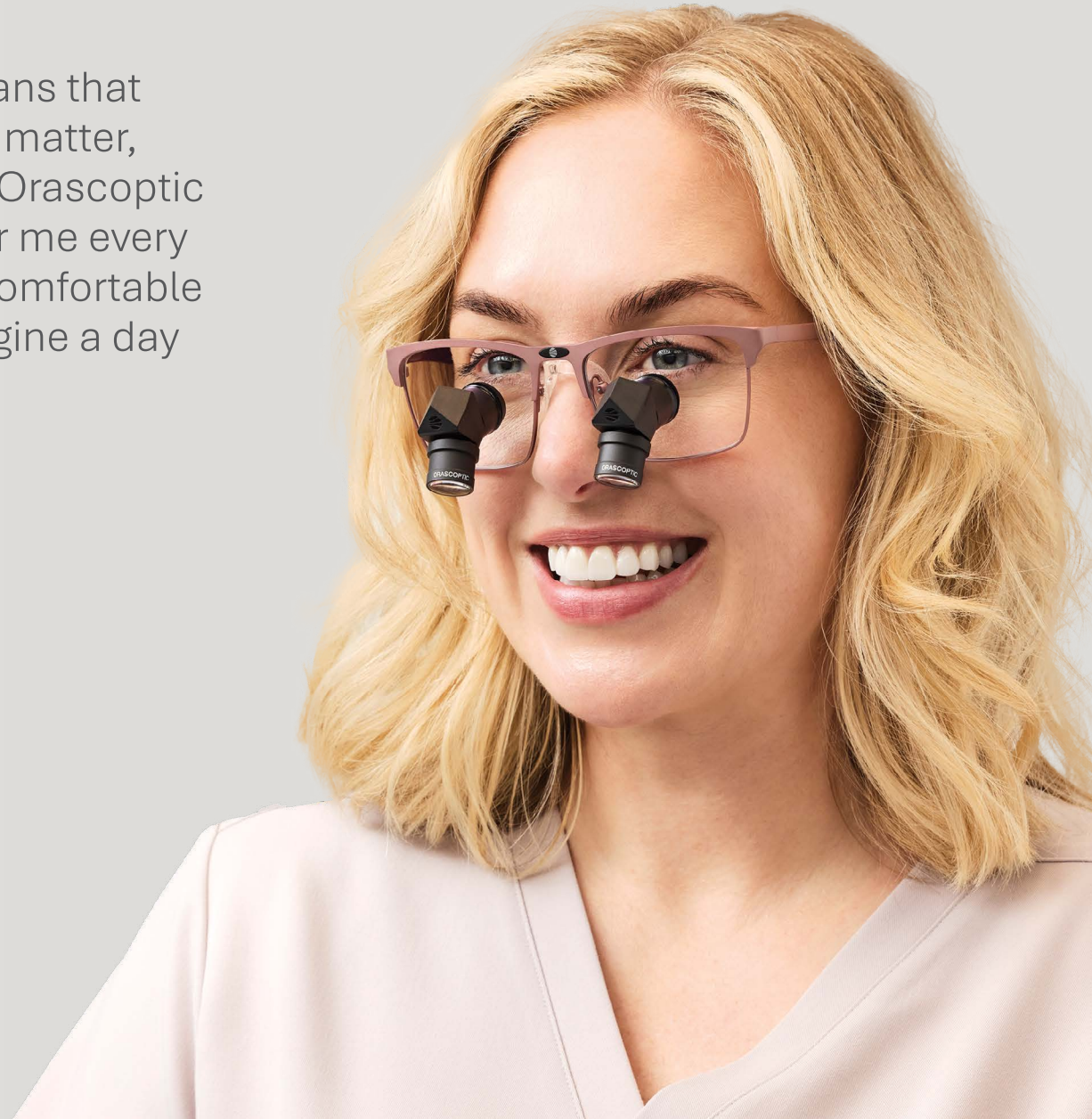
Light Transmission:
- **Orascoptic transmits 40% more light** than Manufacturer A
- **14% more** than Manufacturer B
- **20% more** than Manufacturer C

Resolution:
- **125% better** than Manufacturer A
- **12% better** than Manufacturer B
- **26% better** than Manufacturer C

LAB TESTS	RESOLUTION TEST	PERCENTAGE OF LIGHT
ORASCOPTIC	22.63 LP/mm	91.0%
Manufacturer A	10.03 LP/mm	64.6%
Manufacturer B	20.16 LP/mm	79.8%
Manufacturer C	17.96 LP/mm	74.5%

“Working in dentistry means that even the smallest details matter, which is why I rely on my Orascoptic loupes and light to deliver me every fine detail at a safe and comfortable distance. I could not imagine a day without my loupes.”

- Amy Parente, RDH



ORASCOPTIC

(Y)OUR LOUPE



FRAME MAGNIFICATION LIGHT

Every clinician works a little differently. Your posture, your procedures, your pace. It all adds up to how you move through the day, and how long you can keep doing the work you love.

That's where the right loupes make all the difference. Loupes transform the way clinicians work: enhancing vision, improving posture, extending careers. They're not just a tool, they're an ally. The right pair becomes second nature, helping you perform at your best, appointment after appointment, year after year.

At Orascoptic, there's no one-size-fits-all. We believe in precision, both in what you see, and in how your loupes are built. That's why every pair starts with you: your anatomy, your prescription, your working style.

From the power and placement of your optics, to the balance and fit of your frame, to the light you choose to guide your work, we're here to help you build the loupes that work and fit exactly as you want them to.


ORASCOPTIC
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MAGNIFICATION

Confidence starts with what you see.

The right view changes everything. Orascoptic oculars deliver crisp, distortion-free clarity that helps you focus better, move naturally, and work with precision that feels effortless. Created around your eyes, your posture and your practice, Orascoptic oculars are built on our belief that comfort and accuracy should coexist and never compete.



ZOOM SERIES

Zoom In When It Matters Most

Zoom Series oculars provide up to three levels of magnification in a single loupe. Enjoy the freedom to zoom in for delicate precision and out for a broader view, all without having to switch or remove your loupes.

Choose from a range of models to get the best fit and the ideal magnification range. With Zoom Series oculars there's no need to invest in multiple pairs, and no need to adjust to limitations you'd rather not live with.



ADJUST YOUR VISION









MORE DETAILS	EYEZOOM™ MINI	EYEZOOM™	EYEZOOM™ MAX	ERGOZOOM™
Power	2.5x I 3.5x	3.0x I 4.0x I 5.0x	3.5x I 6.5x	3.5x I 5.5x
Field Width	4.0” I 3.2”	3.7” I 2.9” I 2.4”	3.5” I 2.2”	3.6” I 2.7”
Field Depth	4.8” I 3.8”	4.7” I 3.8” I 3.0”	3.5” I 2.0”	3.6” I 2.5”
Weight per pair	1.79 oz (50.8 g)	2.27 oz (64.2 g)	2.27 oz (64.4 g)	1.52 oz (43.2 g)

CHOOSE YOUR ZOOM





ERGOZOOM™

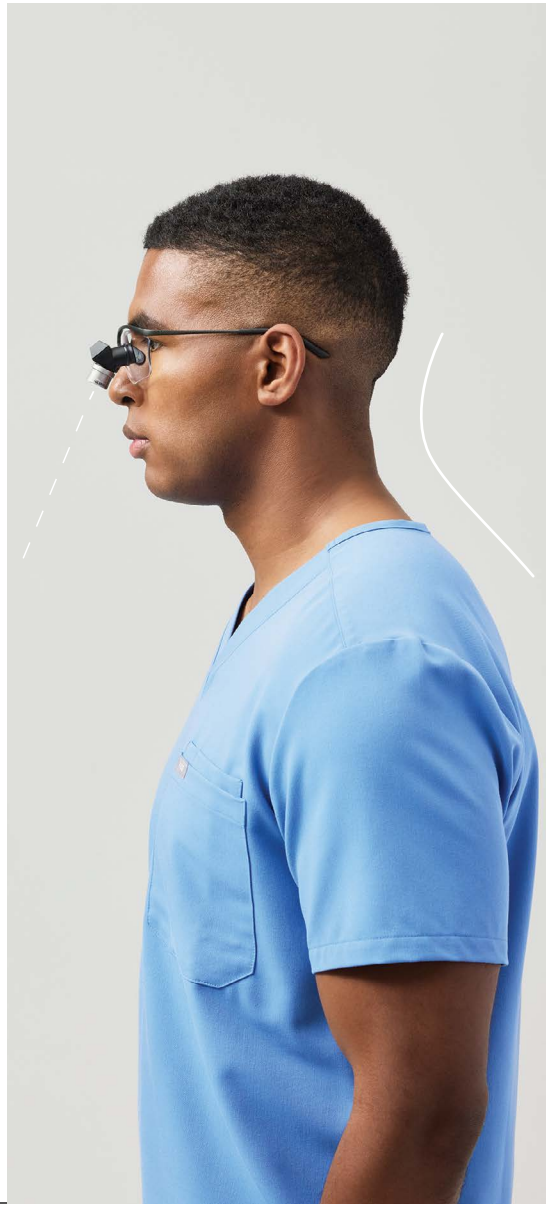
One Loupe, Two Breakthroughs

ErgoZoom is a breakthrough in flexibility and comfort. Now clinicians can adjust their field of view while maintaining an upright posture, all without having to switch or remove their loupes.

ErgoZoom brings 3.5x and 5.5x variable magnification to a deflection-style optical system. Together these innovations help reduce physical strain while adapting to the needs of each procedure. No longer do you have to choose between optimal ergonomics and optical performance.



MORE DETAILS	ERGOZOOM
Power	3.5x I 5.5x
Field Width	3.6” (9.2 cm) I 2.7” (6.9 cm)
Field Depth	3.6” (9.1 cm) I 2.5” (6.4 cm)
Weight per pair	1.52 oz (43.2 g)





HDL™ ERGO

Better Posture = Longer Career

Ergonomics isn't a luxury, it's essential. HDL Ergo loupes are engineered to support an upright posture, reducing neck tilt and helping clinicians work more comfortably for longer stretches of time.

These refractive prism loupes shift your viewing angle without forcing you to hunch or strain. Whether you're just starting out or looking to preserve the career you've built, HDL Ergo gives you the support you need without sacrificing clarity or performance.

Not all Ergo oculars are created equal.
At Orascoptic, we don't just claim precision. We verify it. Our Ergo oculars undergo third-party testing to confirm magnification accuracy, so you get exactly what you pay for. That's not standard across the industry. Some competitors advertise magnification levels that fall short in practice. We believe you deserve optics that are as precise as the work you do.





MORE DETAILS	HDL ERGO 3.5	HDL ERGO 5.0
Power	3.5x	5.0x
Field Width	3.3” (8.5 cm)	2.6” (6.5 cm)
Field Depth	3.1” (8 cm)	2.6” (6.5 cm)
Weight per pair	1.40 oz (39.6 g)	1.34 oz (38 g)

Working Distance customized to each user.



RDH™ ERGO

Designed for Hygienists, Built for Comfort

Looking for added ergonomic support? The RDH Ergo ocular incorporates refractive prisms to reduce neck strain even further, allowing you to sit upright without losing sight of your working area.

RDH™ ELITE

Enhanced Optics for Detailed Hygiene Work

RDH loupes are made specifically for dental hygienists who work long hours in repetitive positions. Every feature is tuned to your workflow, from the wide field of view to the steep declination angle that encourages healthy posture.



MORE DETAILS	RDH ERGO 3.0
Power	3.0x
Field Width	3.7” (9.5 cm)
Field Depth	3.5” (9 cm)
Weight per pair	1.40 oz (39.8 g)



MORE DETAILS	RDH ELITE 2.5
Power	2.5x
Field Width	4.0” (10.2 cm)
Field Depth	6.0” (15.2 cm)
Weight per pair	0.81 oz (23 g)



HDL™ GALILEAN

Clarity Without Compromise

Our HDL Galilean loupes deliver crisp, edge-to-edge resolution with a generous field of view. They're designed for everyday precision and all-day comfort. They're ideal for clinicians who want magnification without the bulk. These lightweight telescopes help you see more and strain less.

Whether you start with the versatile HDL 2.5 or step up to the HDL 3.0 for added power, you'll experience superior optics that support ergonomic posture and long-term performance.





MORE DETAILS	HDL 2.5	HDL 3.0
Power	2.5x	3.0x
Field Width	4.0” (10.4 cm)	3.1” (7.9 cm)
Field Depth	5.0” (12.7 cm)	7.5” (19 cm)
Weight per pair	0.97 oz (27.6 g)	0.96 oz (27.2 g)

Working Distance customized to each user.



ULTRA HDL™ PRISMATIC

When Precision Is Non-Negotiable

For clinicians who require exceptional detail and precision, our Ultra HDL prismatic loupes offer expanded field magnification with exceptional clarity. These advanced optics provide a custom declination angle and a compact, brushed-metal design that balances power and style.

Choose the magnification that matches your technique, and elevate your ability to work with accuracy and confidence.



MORE DETAILS	HDL 3.5	HDL 4.5	HDL 5.5
Power	3.5x	4.5x	5.5x
Field Width	3.8” (9.7 cm)	3.4” (8.6 cm)	2.7” (6.9 cm)
Field Depth	5.0” (12.7 cm)	3.7” (9.3 cm)	3.0” (7.5 cm)
Weight per pair	1.03 oz (29.1 g)	1.35 oz (38.3 g)	1.46 oz (41.4 g)

Working Distance customized to each user.

ORASCOPTIC



FRAMES

Comfort, Stability & Style

Oculars are only as good as the frames that support them.
That’s why every Orascoptic frame is engineered to deliver lasting comfort, secure fit, and precise optical alignment.

From sport-inspired silhouettes to refined, minimalist designs, each frame balances performance with personal expression. And because no two faces are alike, we offer multiple size and style options to fit your features and your workflow.





RDH ELEVATE™

Provides lightweight comfort without compromising performance.

TRIUMPH™

This classic and comfortable frame offers a custom and stylish fit with flexible temple hinges, bendable temple arms, and adjustable nose pads.

	RDH ELEVATE™	TRIUMPH™
Material	Titanium, Acetate	Titanium
Colors	Black, Crystal Clear, Glacier Blue, Pink Pearl, Tortoise	Black, Slate, Sapphire, Gold, Rose Gold
Sizes	Small - Regular	Small - Medium - Large
Weight	27.5 g	29.5 g



TEMPO™

Brings a sleek and minimalist design
for today's trendy clinician.

TEMPO™ REFINED FIT

Engineered to provide optimal comfort for clinicians with prominent
cheekbones and a lower nose bridge.

	TEMPO™	TEMPO™ REFINED FIT
Material	Titanium	Titanium
Colors	Black, Slate, Blue, Merlot, Amethyst	Black, Slate, Blue, Merlot, Amethyst
Sizes	Small - Medium - Large	Small - Medium - Large
Weight	29.2 g	28.4 g





PHANTOM™

Provides lightweight comfort without compromising performance.

RYDON™

This classic and comfortable sports frame offers a custom and stylish fit with flexible temple hinges, bendable temple arms, and adjustable nose pads.

Material	Titanium	Carbon Fiber, Titanium
Colors	Black, Slate, Sapphire, Rose Gold, Iris	Black, Blue, Merlot, Carbon
Sizes	Small - Medium - Large	One Size
Weight	25.0 g	37.6 g

“My Orascoptic loupes have drastically improved my ability to see detail at a distance so I can continue to provide exceptional care for my patients.”

- Dr. Melanie Silvestrini





DRAGONFLY™

A Smarter Kind of Frame

Dragonfly integrates powerful illumination into a frame designed for balance, clarity, and freedom of movement. With no cords or belt packs, and a high-CRI headlight built directly into the frame, it's engineered to simplify your setup and support your work.

Battery pods behind the ears counterbalance the optics on your face, reducing pressure on the nose and helping you stay comfortable throughout the day. The result is a seamless experience—one that enhances the way you work without getting in the way.

Dragonfly brings innovation to the frame itself—raising expectations for what comfort, visibility, and simplicity can look like in a single system.



CORDLESS DESIGN

Built-in battery power means no external cords or belt packs to manage.

BALANCED FOR COMFORT

Rear-mounted batteries counterbalance the front load of your optics.

AWARD-WINNING LIGHT QUALITY

Features the highest CRI headlight in its class.



DRAGONFLY PRO

Compatible with all Orascoptic oculars.



DRAGONFLY RDH

Designed specifically for dental hygienists.

Light Intensity	High: 98 lumens; Low: 66 lumens	98 lumens
Colors	Amethyst, Charcoal, Neptune, Olive	Champagne, Liliac, Midnight
Batteries Included	4	4
Magnification	Core: 2.5x, 3.0x, 3.5x, 4.5x, 5.5x Ergo: 3.5x, 3.5x-5.5x, 5.0x Zoom: 2.5x-3.5x, 3x-4x-5x, 3.5x-5.5x, 3.5x-6.5x	Core: 2.5x Ergo: 3.0x
Battery Run Time	High: ~3 hrs. 45 min.; Low: 5 hrs. 40 min.	~3 hrs. 45 min.



DRAGONFLY NEO

Our streamlined model for students and residents.

Light Intensity	98 lumens
Colors	Midnight
Batteries Included	4
Magnification	Core: 2.5x, 3.0x, 3.5x Ergo: 3.5x
Battery Run Time	~3 hrs. 45 min.





HEADLIGHTS

The Right Light for Any Loupe

If you already have your loupes, Orascoptic's standalone headlights give you a powerful upgrade. All models feature our patented optical design for even light distribution and high color accuracy.

ILLUMINATION INNOVATION

Orascoptic has been at the forefront of clinical lighting for decades. Our illumination innovations are engineered to work in lockstep with our loupes, enhancing clarity, color, and control.

From optical design to color rendering, we've redefined what illumination can and should do.

True-to-life color, less strain on the eyes.

TruColor™ technology delivers a high color rendering index (CRI), revealing subtle tissue variations and surface tones with stunning accuracy. This proprietary LED approach helps clinicians distinguish the fine details that matter, without the distortion or fatigue caused by overly cool or uneven light.

High-CRI = accurate diagnostics

Natural tone rendering = lower eye strain



The science of even light.

Orascoptic headlights feature a patented optical system that delivers uniform light distribution across the entire viewing field. No harsh hotspots. No drop-off at the edges. Just crisp, consistent illumination exactly where you need it.

U.S. patents granted for optical layout

Engineered to minimize glare and maximize visibility

Built to integrate seamlessly with your loupe setup



What to Look for in a Headlight:

CRI (Color Rendering Index) — The higher the CRI, the more accurately you'll see soft tissue and enamel tone

Beam Uniformity — Even light = fewer mistakes and less strain

Integration — The best lights balance perfectly with your loupe

Runtime + Comfort — You shouldn't have to stop or sacrifice posture mid-procedure

Safe, stable overnight and weekend charging capability





CORDLESS

SPARK™

Lightweight and fully cordless. Ideal for clinicians who value mobility and minimal setup. Built-in battery, easy charging, and surprisingly bright.



CORDED

ENDEAVOUR™

Versatile and powerful with adjustable brightness. Our most popular headlight for daily clinical use.

Light Intensity	40 lumens	44 / 68 / 91 lumens
Battery Type	Lithium-Ion	Lithium-Ion
Battery Life	Up to 6 hours	Up to 21 hours
Charging Time	Up to 2 hours	Up to 3 hours*



CORDED

ENDEAVOUR™ XL

Designed for full, flexible brightness and extended run-time. Best for high-demand procedures or longer sessions.



CORDED

ENDEAVOUR™ MD

Engineered for surgical clarity and clinical confidence. With consistent brightness, high-CRI illumination, and touch-sensitive controls, Endeavour MD delivers focused power for long cases and precise work—without adding weight or complexity.

Light Intensity	68 / 90 / 115 lumens	68 / 90 /115 lumens
Battery Type	Lithium-Ion	Lithium-Ion
Battery Life	Up to 24 hours	Up to 48 hours
Charging Time	Up to 6 hours*	Up to 6 hours*

* Can be used while charging


DRAGONFLY

“**For 7 out of 9 years of being a practicing dentist I have used my Orascoptic loupes and light!** Awesome clarity and supports ergonomic neck and back posture. I have not once had any neck or back pain since using these loupes!”

- Dr. Monica S. Wheeler, DDS

ORASCOPTIC

WE SEE YOU.

Ready to See the Difference? Orascoptic is trusted by thousands of clinicians who demand exceptional performance from their tools. Whether you're just starting your journey or refining your precision after years of practice, we're here to support your success.

Our loupes are more than instruments. They're partners in the pursuit of better care and a more successful career.



Book a Demo: Orascoptic.com/book-demo
Build Your Loupe: Orascoptic.com/loupe-builder
Explore More: Orascoptic.com
Support: Orascoptic.Europe@Envistaco.com



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