REALITY
RATINGS & REVIEWS | practical • unbiased • trusted
40TH anniversary

The Ratings | Vision Aids — Magnification Loupes

Infinity VUE

Manufacturer

Designs for Vision
http://www.designsforvision.com

Prices

$2,395.00 - $2,495.00
(depending on eyeglass prescription and frame choice)

Includes:
- Frame
- Carrying case
- Side shields
- Retainer strap

Options:
- UV filter: $100.00
- Fashion frames: $100.00

Free trial

45 days

Warranty

Limited lifetime

Raves & Rants

- ✓ **Minimizes or eliminates neck, back, and shoulder issues**
- ✓ **Crystal clear optics**
- ✗ **Adapting to them can be challenging**
- ✗ **May be difficult to use throughout the mouth**

2026 REALITY RATINGS & REVIEWS Five Star Award
REALITY'S CHOICES
4.7

Introduction/ Manufacturer's Claims

Many, if not all dentists suffer in one way or the other from musculoskeletal problems. One of the problems has been and continues to plague us is neck, shoulders and upper back pain. We all know the reasons — bending over patients trying to gain access to that formidably diminutive enclosure called the oral cavity. So any improvement in ergonomics should be a welcome relief.

Designs For Vision has come up with one solution with its ground-breaking Infinity VUE Loupes. For the first time, these loupes allow us to keep our head, back, and shoulders in a total upright position. By changing the positioning of the internal prisms, these loupes allow you to see intraorally without your having to bend your neck. Not even a little bit! The effect on your neck, upper back, and shoulders is immediate. And because the optical elements are exactly the same as those in the 5 Star Micro EF Scopes, the light transmission and image quality are astounding.

Most (60%) evaluators really liked the design, 30% found it to be acceptable, and 10% were not impressed. Some comments:

- I like flipping my loupes up to see things as opposed to taking my glasses off and on.
- So different, just takes time to adapt... you have to give it a chance.
- Very ingenious design.
- High quality product.

Concerning the learning curve in adapting to these loupes, 40% of the evaluators needed 1-2 weeks, 30% required 3-4 weeks, 10% adapted almost immediately, and 20% never became fully comfortable. Some comments:

- There are areas of the mouth that I cannot use them with.
- I am used to my Zeiss loupes of 33 years.
- Learning curve was challenging, but adaptable.
- These are ergonomically ideal for posture and make it comfortable, however not practical for allowing for direct vision for prepping on the maxillary arch.
- At first my neck hurt because I was tilting my head up because I wasn't used to positioning the patient in the most optimal way.
- Wish I would have had these 20 years ago. Just too difficult for me to adapt to.
- I did think it would be more difficult than it actually was.

In terms of whether the more neutral head position with these loupes alleviates any neck, back, or shoulder issues, 40% of the evaluators without serious musculoskeletal issues still liked not having to bend their necks, 20% stated their necks, backs, and shoulders felt better, and 40% still preferred straight loupes even though they felt better with these loupes. Some comments:

- I need straight loupes to see all areas of the mouth.
- My posture definitely improved....once I adapted.
- Having used straight loupes for my entire career, it is a challenge to make the transition.
- It will take some time to get used to using them 100% of the time. For now, I use them when I'm doing lab work and some patient procedures.
- Although I did not really have a regular pain in my neck and shoulders, I could feel more comfortable in this area when using these loupes. And I am less physically tired.

Type of Loupes

TTL (prisms). Most (80%) evaluators thought the quality was really good, while the other 20% found the quality to be acceptable but not great. Some comments:

- I am biased towards the glass in my Zeiss loupes.
- I kind of like my Zeiss better.
- Very good view; quality magnification.

As far as the optics specifically, again most (80%) evaluators thought the quality was really good, while the other 20% found the quality to be acceptable but not great. Some comments:

- Sharp crisp image.
- Crisp clarity of view.
- Excellent.

The actual telescopes are round. The 3.5x should allow you to see almost an entire arch, while the 4.5x can visualize a quadrant. Based on the degree of magnification they chose, most (90%) evaluators found the field of vision to be about the same as their current loupes, while the other 10% thought it was better. Some comments:

- Same or a little smaller.
- Did not notice any difference between other loupes of same magnification.
- Possibly slightly smaller.

In terms of comfort, most (60%) evaluators thought they were acceptable, while 40% found them to be really good. Some comments:

- A little front heavy but acceptable.
- They are light.
- Fine.
- Comfortable, not too heavy.
- I am not sure if they are heavier, but they feel like they rest on my nose harder.

Power

3.0x, 3.5x, and 4.5x. Most (70%) evaluators chose to evaluate 4.5x, 20% chose 3.5x, and 10% opted for 3.0x. Based on the degree of magnification they chose, most (80%) evaluators found the magnification to be about the same as their current loupes, while the other 20% thought it was better.

Frames

5 types fit these loupes: Yeoman, Yeoman Chromatic, Steam, Steam XL and Ranger. Yeoman are the original black DVI frames, but they are now available in Chromatic colors (red, blue, pink, and light gray). Steam frames, available in black, gray, purple, brown and navy) are still conventional in design, but not as clunky as Yeoman.

Most (70%) evaluators were pleased with the frames, 10% thought they were OK, and 20% were not impressed. Some comments:

- They are not very stylish.
- Made me look cool!
- A bit clunky and heavy.
- Heavy.
- Seems to rest heavy on my nose.

Weight

3.2oz/90.7g (3.5x/4.5x mounted on a cool navy blue Steam frame and with the side shields attached). While this weight cannot be considered feather-like, they really don't feel heavier than other prism loupes with similar magnification levels, especially since your head is upright and not at an angle.

Compared to similar magnification loupes, half the evaluators found the weight to be about the same, 30% considered them to be heavier, and 20% thought they were lighter. Some comments:

- Much lighter which is good.
- I thought they would be more "front" heavy but they were not at all.
- They feel heavier.

Size

Compared to similar magnification loupes, half the evaluators found the size to be larger, 30% considered them to be about the same, and 20% thought they were smaller. Some comments:

- They are smaller and thinner than my Zeiss loupes.
- The right angle makes them larger but not an issue.

Packaging

They come to you safely sequestered in the familiar DVI silver and matte black plastic case lined with antimicrobial black foam. The case has a secure fastener that keeps the loupes well protected.

Half of the evaluators really liked the case and found it protects the loupes well, while the other half thought it was acceptable.

Strengths

- It keeps me from having any neck pain.
- Potential to relieve neck and shoulder strain.
- Light, good view, good posture, great case. They are a great product. Just hard for me to get away from 33 years of use of my existing loupes.
- Once adapted to them, they definitely improved my posture and head and neck position.
- The upright neck position improves posture.
- The ergonomics of these loupes is ideal. They help to correct poor posture, keep upright head position and prevent neck pain.
- Has the potential to make treating patients more ergonomic.
- Allows better posture at high magnification.
- Improved my posture! Love it compared to conventional heavier loupes.
- Excellent magnification/vision; surprised how quickly I got used to them; seem to reduce stress on shoulder and neck.

Weaknesses

- Hard for me to do surgery because I cannot have a wide field of vision peripherally.
- Steep learning curve and limited areas of the mouth that I could use them in.
- The frames are not very attractive, not a flip up that I am used to, eye piece could be larger.
- Took 2 challenging weeks to adapt to them.
- There is a learning curve and several assistants disliked the fact that it looks like you are staring at them.
- It takes a long time to adapt to and I never felt comfortable attempting to prep maxillary teeth. I have always used direct vision to marginate and get the best result for my patients and I need direct vision straight loupes to get the best result.
- Once you are used to straight loupes, these are hard to get used to.
- Hard to adapt if you are a traditional loupe wearer.
- Learning curve.
- Seems heavier: more pressure on my nose.

BOTTOM LINE

- I would buy another pair.
- I could not use them.
- Great product if you are looking for a new loupe and you have posture issues or pains, or don't want to have issues in the future.
- A good investment, but have to be willing to spend the time to adapt.
- This could be a real benefit for those with neck issues and would be great as your initial loupe purchase but as an owner of straight loupes for three decades, the switch was hard.
- These loupes are definitely a game changer that require heads up ideal ergonomic posture. If you have never used straight loupes and are a dental student, this may be the best time to adapt to these as it took me a long time to adapt to. I did not attempt to prep maxillary teeth because I like to use direct vision with straight loupes to marginate and get the best results for my patients, so I felt it was a compromise to attempt to use them for prepping maxillary teeth. If you have chronic neck pain, these would be worth looking into. However, there are limitations with positioning yourself and the patient when using these and you may not be comfortable performing all procedures using these.
- Great product but adapting to them can be difficult if a practitioner is used to straight versions. I think if a clinician starts with these in dental school, and doesn't know any different, it could make a huge difference in how their body feels in 20-30 years of practice. This seems like a less costly version of one of those more expensive microscopes.
- Great loupes to try early in your career or unless you are willing to invest a lot of time learning to use them. Great concept.
- I will buy and recommend these loupes.
- Excellent loupes; I adjusted quickly to them; highly recommended.

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Combat Back & Neck Pain

DESIGNS FOR VISION®

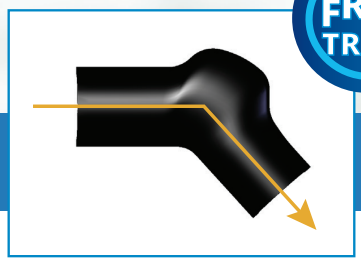
Infinity VUE™

Vision Up Ergonomics

Patent Pending

Introducing a straight-forward approach to ergonomics. Infinity VUE™ Loupes keep your chin up, your neck straight and your eyes looking forward while viewing the magnified oral cavity.

45 DAY FREE TRIAL



SAVE $250 with a COMBO

when you order both Loupes and HDi Headlight

- New Vision Up Ergonomics developed to help you maintain the best posture and ***prevent back and neck pain***
- Available in 3.0x, 3.5x and 4.5x magnification
- Custom Built to your unique measurements
- 45 Day Free Trial

NEW 4.5x

Infinity VUE™ Loupes

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Infinity VUE™ 3.5x shown with LED DayLite® WireLess Mini HDi

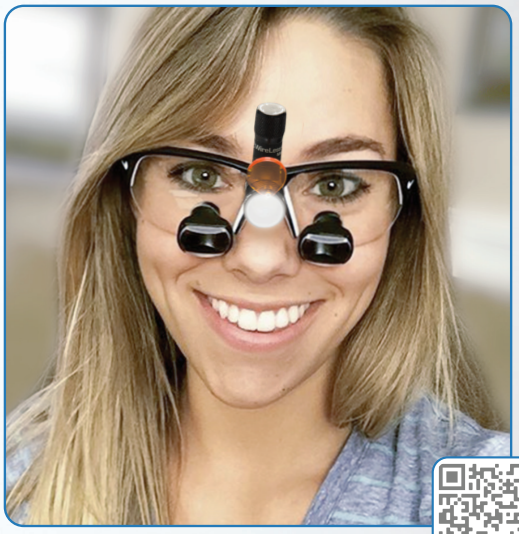
Infinity VUE™ 3.0x shown with LED DayLite® Micro HDi

MANUFACTURER'S PAGE

Award Winning HDi™

High Definition Imaging

Advanced photonic design provides uniform light distribution with 45% more light



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2023 REALITY Four Star Award

2022 REALITY Four Star Award

LED BayLite® WireLess Mini HDi™

TOTALLY WIRELESS
no wires, no battery pack

MODULAR DESIGN
Can be worn on your choice of eyewear

WEIGHS 1 oz.

34,000 LUX INTENSITY

2023 REALITY Five Star Award REALITY'S CHOICES

2022 REALITY Five Star Award REALITY'S CHOICES

LED BayLite® Micro HDi™

SIMPLE ONE-TOUCH OPERATION:
55,000 lux high intensity
30,000 lux medium intensity

LIGHT WEIGHT POWER PACK
(2.5 oz.) with up to 12 hour run time per pack and low battery indication

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