

## Professional opinion about the HEINE® LoupeLight 2 with HR Binocular Loupes (2.5 magnification/420 mm working distance)

“Loupes are part of my daily work and are a standard tool in all areas of dental medicine. The HEINE LoupeLight 2 offers optimal magnification and a very good illumination for preparing crowns, performing root canal treatments, placing tooth fillings and for periodontitis treatments, prophylaxis, implantology as well as oral surgery.”

Due to its features the HEINE LoupeLight 2 can be optimally used in dental medicine.

The 2.5 magnification of the HEINE HR Binocular Loupes offers a large field of view and allows a larger overview than comparable competitor products. Two to three teeth can be seen at the same time. The loupe allows a very clear image, good depth of field and offers clear advantages in particular during surgery or implant procedures.

Another advantage in its daily use is the fact that the optics can simply be flipped up with the sterilisable lever. In this way the whole jaw can be seen in the overview, whereas the illumination stays focused on the oral cavity. At the same time the glasses protect the eyes. This function has proved its worth especially when grinding teeth and performing implantations, where the whole oral cavity has to be seen. While the brightness level is maintained you can assess the alignment of teeth stumps and the correct axial inclination of multiple implants. This flexibility is a major difference between the HEINE LoupeLight 2 and glasses with fully integrated loupes, where you have to tilt your head to be able to look under or above your glasses. Taking the glasses off is not recommended due to hygienic and safety reasons.

The flip up optics of the HEINE Loupe makes the system a bit heavier – whereas the advantages of the swivelable optics clearly outweigh the higher weight. In addition, the system can be set up for different examiners and is therefore transferable.

When wearing a face mask integrated loupes often fog up by breathing air. The individual adjustable loupes of the HEINE LoupeLight 2 are located outside the glasses and do therefore not fog up.

Shadow-free illumination and true colour temperature are special characteristics of the LoupeLight 2 and make it very comfortable for the eyes. The illumination provides good colour rendering, thus ensuring a more accurate diagnosis and less eye fatigue. This is what sets it apart from most other LED illuminations, which produce a light that is far too bright and white. The brightness is continuously adjustable and can therefore be adjusted to every application situation.

The use of the HEINE Polarisation Filter allows a very good view, in particular for periodontitis treatments, piezo surgery and when using ultrasound scanners. Water reflexions are largely reduced but also reflexions from blood, saliva and the instruments used. By using polarisation filters tissue can be better assessed, blood vessels can be clearly seen, and the reduction of mucous membrane reflexions allow you a fatigue-free, more accurate work, especially during long procedures.

When using the HEINE polarisation filters, the brightness of the LoupeLight 2 decreases slightly compared to use without a filter, but is still outstanding. Compared to the predecessor model, the LoupeLight 2 shows a clear optimisation.

The new battery HEINE mPack mini is very comfortable and practical to carry in the belt pouch due to its small size and light weight. Despite the reduced size, the battery power is sufficient for the entire work day. Conveniently, the battery can be charged using a standard USB cable. The new connection cable is also very advantageous from the user's point of view: If the cable is worn out by intensive use, it is simply replaced.



Dr. Tobias Schneider



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*Dr. Tobias Schneider is a licensed dentist since 2009 and has his own dental practice since 2012 (District of Starnberg, Germany). He regularly holds lectures on the topics implantology, implant prosthetics and bone augmentation. As speaker in the “Curriculum Implantologie (EAZF/DGI)” (the gold standard in the implantological education and training) he is involved in further education and training.*

