

Ryeco Super-ERGO Stereo-Head Mounted Display (3D-Stereo-HMD)

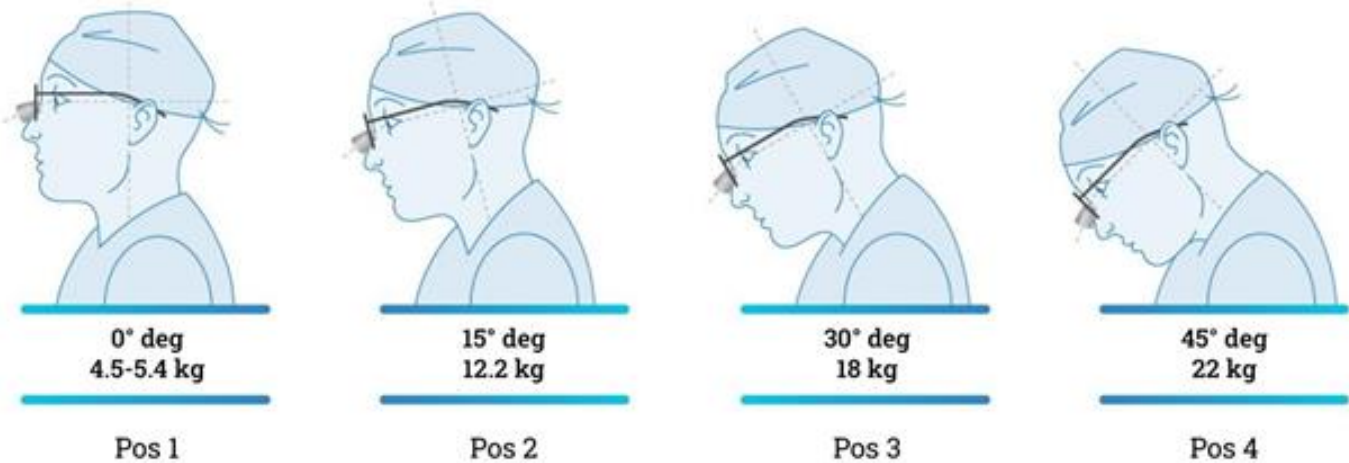
3D – Stereo Kit



Made for Ryf in Austria

Ryeco Super-ERGO Stereo-Head Mounted Display (3D-Stereo-HMD)

Ergonomics - this illustration says a lot:



With the stereo microscope (e.g. our best-selling Nikon SMZ-745), remove the eyepieces and insert the two cameras into the tubes, off you go.....

The 3D-stereo-HMD kit allows you to keep moving; you do not have to stay in an ergonomic position for hours but can move your Head, which also relieves the strain on your shoulders.

Fits into the eyepiece sockets of all popular stereo microscopes binocular tubes, from Nikon, Ryeco, Zeiss, Leica, Motic, Optika and Enevite-Olympus.

This Digital system can be operated without your hands but with the foot switch and head gestures – your hands may always stay on the component or assembly, which improves workflow.

Feature set of the standard software product:

- Activation of the user interface with the foot switch to control the following functions
- Capturing photos and videos
- Raise and lower the eyepieces
- New features may be added if needed (tailored to your application)



The two eyepieces in the headset may be controlled (up and down) with the foot pedal or by gestures.

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Ryeco 3D-Stereo- Head-Mounted Display: → Head-mounted mini screens

The eyepieces in the headset can be controlled with the foot pedal or by gestures.

The specially developed Head-Mounted Display (3D-Stereo-HMD) plays a central role in the control of the cameras. The 3D stereo HMD kit recognizes the gestures of the operators' heads and converts them into corresponding commands (instead of foot pedal, touch screen, etc.).

With the HMD, operators have two digital microdisplays right in front of their eyes, displaying a 3D video image of the stereo microscope in real time.

Sensors in the 3D stereo HMD are used to interpret the head movements of the operators.

In the same way, intra-operators can choose between all important functions: all this is possible without having to take your hands or tools out of the working field.

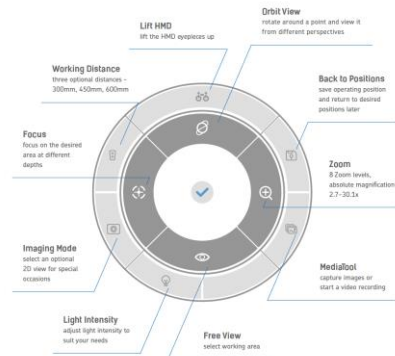
Your hands remain free to work. The tools or the parts to be controlled remain in your hand. Therefore, you can work ergonomically and without distractions, just like a surgeon can operate...



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User interface

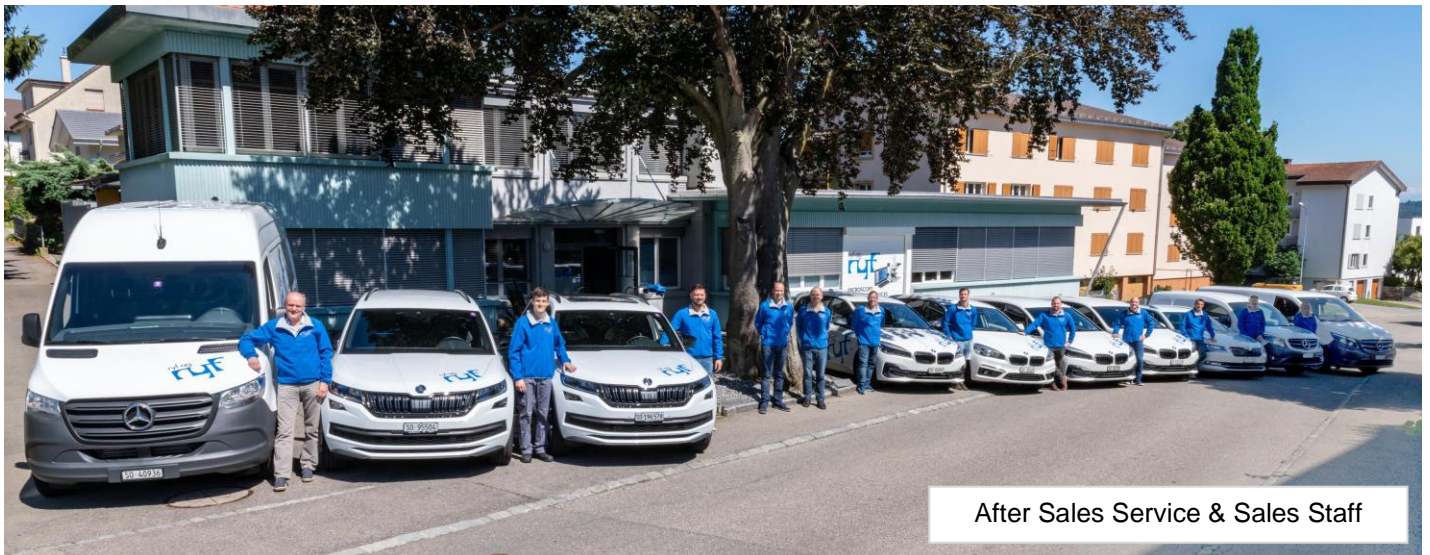
The intuitive user interface ensures that all functions may be selected and easily used by the 3D-stereo-HMD. There are no complex submenus. Regardless of magnification and other parameters, you can make all settings with the 3D Stereo HMD through simple and intuitive procedures - step by step. This allows your attention to be fully focused on the job.



Head-mounted mini displays

With the 3D Stereo HMD, the employee has two digital microdisplays directly in front of their eyes, displaying a real-time 3D image of the work area / working piece.

Sensors in the 3D stereo HMD interpret head and eye movements. All important functions can thus be selected and used during work with light head gestures - all without having to take the hands off the work table.



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