



## Make the most of maXee® 3D

Open up new dimension for your quality control and production operations!

### Your benefits

- Brilliant 3D imaging in full HD<sup>1</sup>
- “No latency” 3D images
- One-click toggling between 2D/3D
- Generously dimensioned monitor with 21.5“ diagonal
- Video sequences/individual images can be saved externally to a HDMI recorder/thumb drive
- Plentiful free working space thanks to large (43 cm) working distance
- Comfortable, ergonomic working posture
- Simple mouse or foot switch operation

### The more detail, the more effort

Production and quality control operations face an array of daily challenges such as high-precision assembly of smallest components, delicate soldering, and inspection of complex specimens. These activities are particularly difficult under conventional microscopes, where there is little space between lens and object for manipulating tools or changing the position of specimens. Here, 2D camera systems with separate monitor offer tremendous benefits for efficient working. And yet the images they deliver are two-dimensional, with no spatial orientation; the tasks mentioned can often only be performed with the greatest difficulty, requiring extensive experience.

### Higher speed, higher precision

This is where maXee® 3D comes in. SAC's innovative video microscope system with 3D view option enables operators to view highly magnified specimens in the monitor, while the 3D view mode simplifies evaluation of the shape, position, and spatial orientation of their structures. Tools are easy to manipulate in connection and relation to the environment, allowing the operator to locate the correct point immediately. This not only enhances precision in quality control and production, but also saves time throughout the process as a whole.

### Guaranteed comfort in work

maXee® 3D offers particular advantages for operators repeating a testing or working process over long periods. The system provides the maximum workplace ergonomics; the adjustable camera arm can be aligned to the workplace environment and the specimen. The monitor, developed exclusively for maXee® 3D, provides crystal-clear full HD resolution and is positioned behind the specimen to provide a clear view. The system is operated by mouse or foot switch, completely eliminating the need for an uncomfortable or unhealthy posture.

## maXee® 3D

Innovative 3D technology  
boosts available information

## Seeing more – seeing better

The ideal tool for high-precision assembly of smallest components, delicate soldering, and inspection of complex specimens

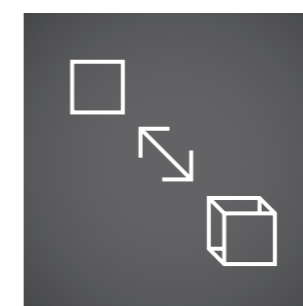
Compared to classic stereo microscopes, digital 2D video microscopes represent a giant leap forward. Their enhanced ergonomics allow operators to be seated comfortably in a relaxed working posture before a monitor providing a clear view of the magnified objects. And yet these systems only supply two-dimensional images. Until now!

SAC's maXee® 3D is an innovative video microscope with 3D imaging. Operators now have clear views of the object's precise spatial structures – always present, but never before visible. Surface defects can be assessed more accurately, and detailed work can now be performed in real time to a far higher degree of precision.



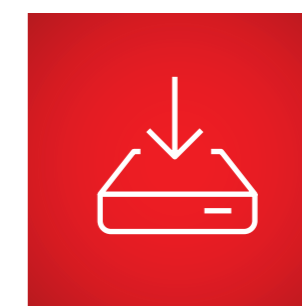
### Set up the working environment

Position the microscope head on the adjustable arm and use the precision adjustment function to align the microscope area to specimens of any shape or size. The system provides high focal depth, allowing for rapid working without laborious readjustment of focus.



### Toggle between 2D and 3D views

Just click to switch quickly and easily between 2D and 3D view mode, select magnification level and brightness, and choose the object mode.



### Document results

To create evidence for meetings or document work results, use the foot switch to freeze the monitor image and save it directly to a thumb drive as a screenshot.



### Archive video sequences

Video sequences can also be archived quickly and easily in both 2D and 3D mode. Simply film them with an external HDMI recorder<sup>2</sup> connected to the corresponding interface integrated into maXee® 3D. These data can likewise be saved to a thumb drive.

<sup>1</sup>3D polarized glasses are required for viewing  
<sup>2</sup>HDMI recorder required



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We supply standard solutions as well as specific solutions developed individually and tailored to the needs of our customers. Together with our OEM partners, experienced and specialized system-integrators, or directly with our end customers, we develop future-proof concepts for integrating machine vision into existing work environments.

**SAC**

### Machine Vision for Industry

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