

3D Displays and Solutions worldwide

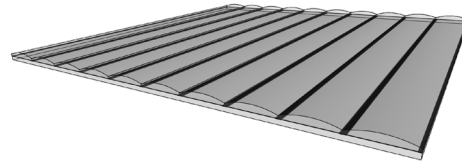


3D Global. This is us.

We are a manufacturer of 3D displays and system solutions based on a patented 3D filter technology. Through inventiveness, know-how and a strong team spirit, we develop products with a unique experience of real three-dimensional viewing without eyepieces. What drives us is our thirst for action and the joy of changing the world of vision.



2D Panel



Lenticular
(3D Filter)



Eyepiece-free
3D monitor

The complete product cycle from a single source.



Our goal is to provide our customers with the best possible support when integrating our 3D technology into their own products. We can provide support along the entire process chain, from the product idea to the subsequent service for series products.

Our engineers help with the realisation and implementation of software and hardware, working closely with our customers' development departments. As the complete process chain is implemented in-house, rapid development and production times are realised.

Our two locations.



Aalen location, headquarters

- Product development
- Marketing and sales
- Series production



Pockau - Lengfeld location

- Basic research
- Prototype development
- Development of production processes

The key data on 3D Global.

The company

- Founded in 2011
- 45 employees
- ISO9001 certified
- 50+ patents, property rights and trademarks

All core processes in-house

- Product development
- Production
- Sales
- Service

Research & Development

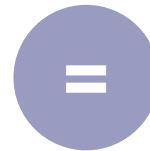
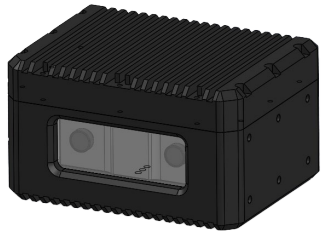
- 25 employees in R&D
- Basic research for eyepiece-free 3D technology
- Know-how of all technologies built up at 3D Global
- Continuous further development of our products
- FPGA development for highly integrated systems

Production

- Clean room for filter production and bonding
- Proprietary developed and patented manufacturing processes
- Proprietary production machines
- Preparation for large-scale production underway (10,000 lenticulars per month)

A unique high-performance system.

For a eyepiece-free 3D system, both the 3D image recording with stereo cameras and the 3D image reproduction with a glasses-free 3D monitor must be precisely coordinated.



3D imaging

- Stereo cameras
- Zoom optics
- Autofocus
- Fixed focus

3D image reproduction

- Eyepiece-free 3D technology
- Patented manufacturing processes
- Customisation

3D systems

- Complete signal chain coordinated
- Low latency
- FPGA platform for the highest performance

These are our markets.

The areas of application for our eyepiece-free 3D technology are very diverse. Above all in medical technology, industry, but also in the entertainment sector, the use of our 3D technology makes new types of products with an extraordinary 3D viewing experience possible for users.



Medical technology

- Dental
- Ophthalmology
- Hair transplant



Industry

- Digital microscopes
- CAD
- Automobile



Entertainment

- Advertising
- Films
- Games

Selected reference projects from the field of dental technology.

3D dental microscope

CJ Optik is a leading manufacturer in the field of dental microscopes. A new generation of digital 3D treatment systems for dentists with integrated detection of caries, tartar and artificial dental material. 3D Global was responsible for the development of the stereo cameras and the 3D monitor and assisted with the system integration into the electronics.



Dental simulator

SIMtoCARE is a manufacturer of unique 3D dental simulators. The devices make it possible to practise a variety of treatments such as drilling teeth, placing syringes, etc. By using our 3D panel technology in combination with haptic feedback during simulation, we have succeeded in generating a breathtakingly realistic treatment situation.



Our 3D CAD Visualizer.

Our 3D CAD Visualizer offers the possibility of connecting an existing CAD application with one of our eyepiece-free 3D monitors.

For this purpose, we provide special driver packages for connection to a wide range of applications. Add a dimension to your existing 2D application and work and present in stunning eyepiece-free 3D.



Supported applications:

- | | | | |
|--------------------|---------------------------|-------------------------|------------------|
| ✓ NX | ✓ SAP Visual Enterprise | ✓ Ansys Ensignt | ✓ Petrel |
| ✓ Solid Edge | ✓ Catia / Delmia | ✓ Paraview 5.7 | ✓ Acute3D Viewer |
| ✓ Plant Simulation | ✓ Catia Composer (Player) | ✓ TecPlot | ✓ Meshlab |
| ✓ Process Simulate | ✓ Solid Works | ✓ SimPack | ✓ Sketchup |
| ✓ JT2Go | ✓ Alias Design | ✓ Moldflow Communicator | ✓ visTABLE |
| ✓ Teamcenter | ✓ ICEM Surf | ✓ Fledermaus | ✓ 3DS Max |
| ✓ Visualization | ✓ IPS Cable Simulation | ✓ Qimera | ✓ 3D Tool |
| | ✓ Ansys Mechanical | | |

The Scalereo industrial microscope.

Innovative standalone microscope: depth sharp, digital and in spatial 3D. Instead of working in a bent-over position and looking through an eyepiece as before, you can now sit comfortably upright and enjoy the outstanding 3D presentation on the 3D monitor. With autofocus, flexible ring illumination and continuously variable zoom system.



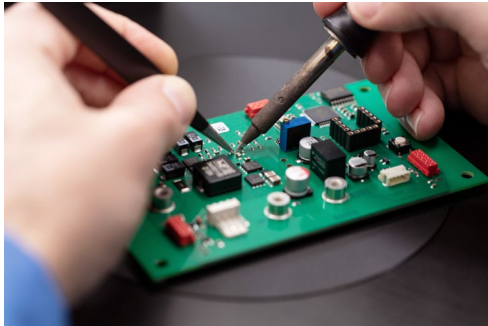
SCALEREO_{Desk}
MORE PRECISION AT WORK

Existing optical microscopes can be easily retrofitted with the **SCALEREO AddOn** to become digital 3D microscopes without eyepieces. The 3D upgrade can be easily fitted to all standard microscopes with parallel beam paths. Adaptable for Zeiss, Leica, Olympus, Askania, Nikon, ...



SCALEREO_{AddOn}
MORE PRECISION AT WORK

Scalereo applications for ergonomic working.



Ideal for PCB assembly, solder joint inspection and reworking.



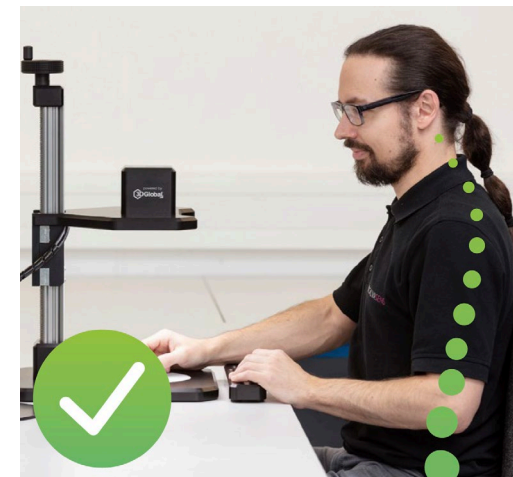
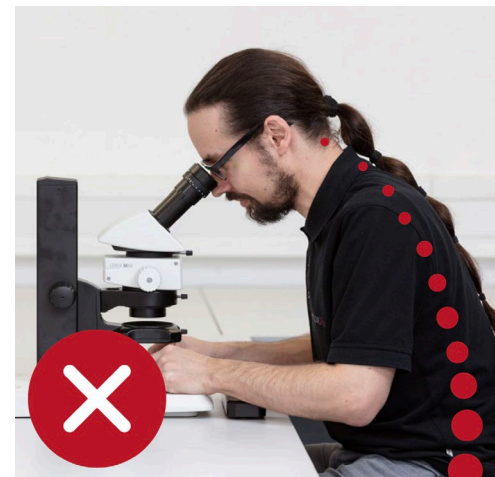
Suitable for the production of medical components.



Helpful for inspection and quality assurance, machining and 3D printing.



Perfect for high-precision assembly and repair of small parts.





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