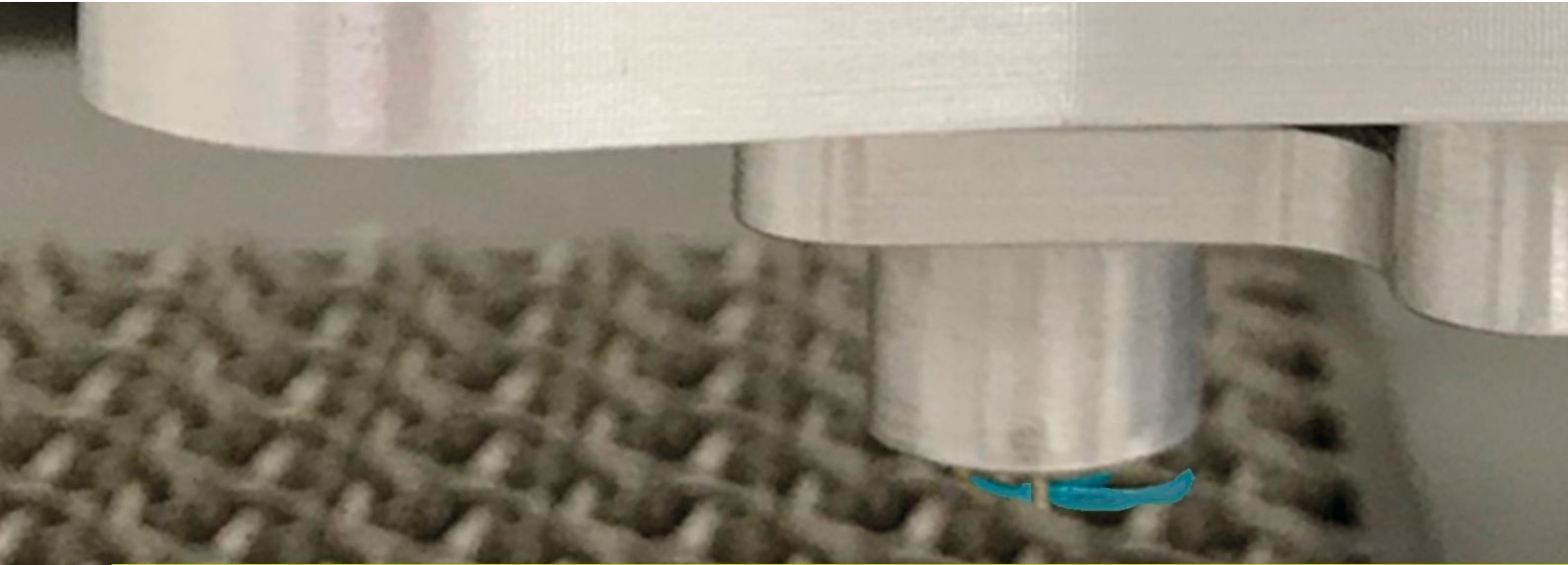
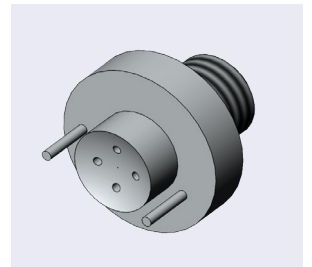
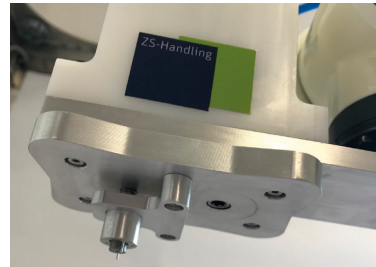


# OptoMicroMed-Gripper



## CONTACTLESS HANDLING OF INTRAOCULAR LENSES

The OptoMicroMed-Gripper supports the medical technology, especially the manufacturing of lenses. Our product is able to grip and deposit intraocular lenses without contact.



### No scratches on the lens body

Lifted by a combination of vacuum and ultrasound, the lens is held contactless on the bottom of a special designed sonotrode tip. This prevents micro-scratches and contamination.

Besides from gripping and (un)loading, the gripper can be used for sorting and singulating.

### Features of the OptoMicroMed-Gripper:

- Suitable for different diopters
- Customizable according to customer specifications
- Compatible with all robot systems
- Suitable for clean rooms

### Applications



[zs-handling.com](https://www.zs-handling.com)

### Contact and Sales:

ZS-Handling GmbH  
Budapester Straße 2  
DE-93055 Regensburg

Phone: +49 941 60389-900  
Fax: +49 941 60389-999  
Mail: [sales@zs-handling.de](mailto:sales@zs-handling.de)

Further information can be obtained with the QR-Code on the right or under <https://www.zs-engineering.de/index.php/s/fDDgP6mn8o2TPYi>.  
Please use the password: OptoMicroMed



Innovative Technology:

# Ultrasonic Suspension



Our handling systems use the ultrasonic suspension technology to apply the handling forces to the workpiece and can be used in all atmospheric processes.

Vibration generators with separate power electronics generate a compressed air film with repulsive forces. Process combinations enable the generation of attracting forces.

The surrounding air or process gas is compressed by the ultrasound. This allows components to be lifted and guided along defined paths without contact. In combination with negative pressure, workpieces can also be gripped on the upper side - without touching them.

The ultrasonic suspension technology requires less energy than other non-contact handling technologies.

## **We at ZS-Handling have a mission:**

*to enable our customers to handle sensitive products in production and for testing purposes without contact.*

## **We make parts float.**

*Since 2006, we have been developing, producing and selling components and special machines for users in Europe, North America and Asia.*

## **Our Products**

LeviSolar-Gripper  
 LeviWafer-Gripper  
 MicroLevi-Gripper  
 OptoMicroMed-Gripper  
 RobotOverhead-Gripper  
 UltraLevi-Chuck  
 UltraLevi-Desk  
 LinearLevi-Conveyor  
 LinearOverhead-Transport-System  
 LinearLevi-Inspektions-Module  
 Modulares Waferhandling-System  
 Levi-Roll

## **Applications**



- Battery and fuel cell
- Foil
- Glass
- Lenses
- Medical Technology
- Packaging
- Wafers & Chips

## **Processes**



- Loading and unloading
- Conveying
- Gripping
- Inspection
- Sorting
- Separating