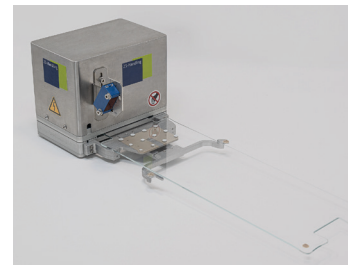
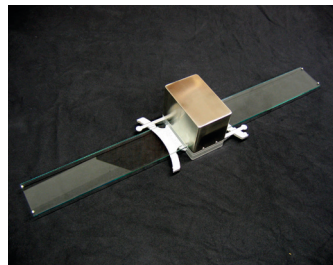
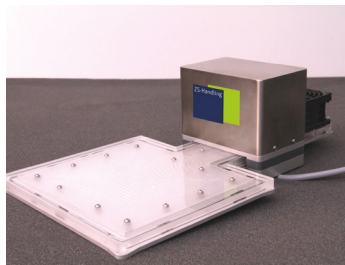
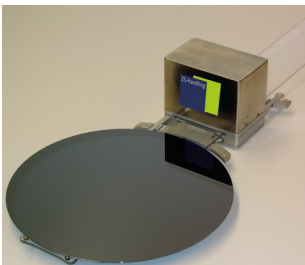


LeviWafer-Gripper



CONTACTLESS ENDEFFECTOR

With the LeviWafer-Gripper Transport system it is possible, to lift and transport sensitive Wafers contactless. In combination with the transport, loading and unloading of stacks and cassettes is also possible.



No scratches on the substrate during transport

The gripper uses ultrasonic bearing technology to keep the wafer at a distance, thus enabling contactless transport. In addition to micro-scratches and -cracks, contamination by particles is avoided since without compressed air no air turbulence is created. Therefore, the gripper is also very suitable for clean rooms. The LeviWafer-Gripper can be designed with a single or double paddle.

Features of the LeviWafer-Gripper:

- Contactless pickup
- No micro-scratches, micro-cracks, or particles
- Suitable for standard cassettes
- Low energy consumption
- Customizable according to customer specifications

Applications



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with the QR code on the right or
under <https://www.zs-handling.de>



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