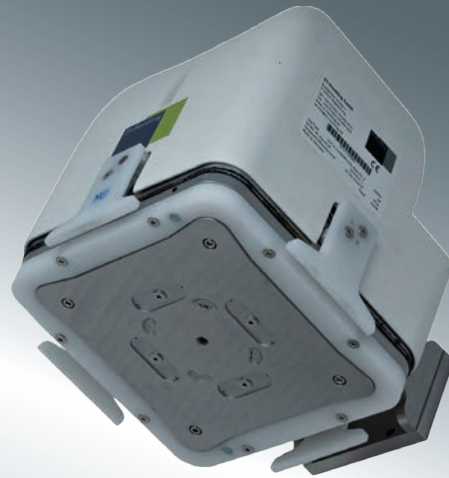
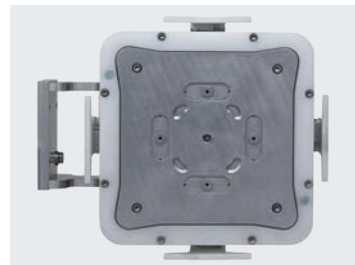
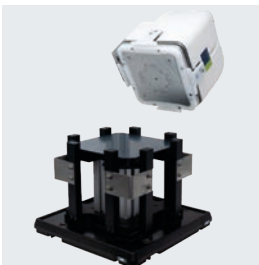


LeviSolar-Gripper



CONTACTLESS TOPSIDE GRIPPING OF SOLAR WAFERS

The LeviSolar-Gripper enables contactless gripping and depositing of solar wafers. Our technology guarantees the ultra-gentle and ultra-clean handling of the sensitive surfaces.



When gripping the wafer, a combination of vacuum and ultrasound is used. The vacuum provides the attraction of the wafer and the ultrasound keeps the workpiece, with its repelling effect, at distance. Thus, no points of contact occur between the wafer and the gripper, and gentle handling is ensured.

The LeviSolar-Gripper is available for different wafer sizes. The edge stops support the wafer to center itself and to stay in position.

Features of the LeviSolar-Gripper:

- Contactless topside gripping
- No carry-over of impurities and no micro scratches
- No need for compressed air

Applications



zs-handling.com

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Further information can be obtained
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