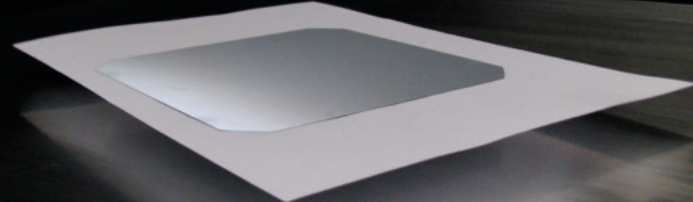
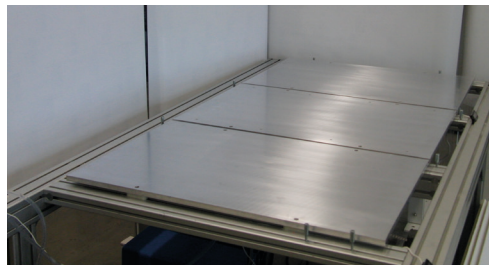


UltraLevi-Desk



CONTACTLESS HANDLING IN PRODUCTION

With the UltraLevi-Desk it is possible to transport and (un)load substrates without contact.



High flatness of the substrate

Our patented technology makes the workpieces float on the surface of the ultrasonic table. The substrate is kept at a distance, which prevents micro-scratches and other damage. By avoiding compressed air and thus air turbulence, particle contamination can also be prevented. Furthermore, high flatness of the substrate is guaranteed, also for flexible materials. The UltraLevi-Desk can be combined with other systems and can be realized with or without additional drive.

Features of the UltraLeviDesk:

- No damage or particles
- High Flatness of the substrate
- Extendable
- Recesses for inspection systems or cutting units
- Customizable according to customer specifications

Applications



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