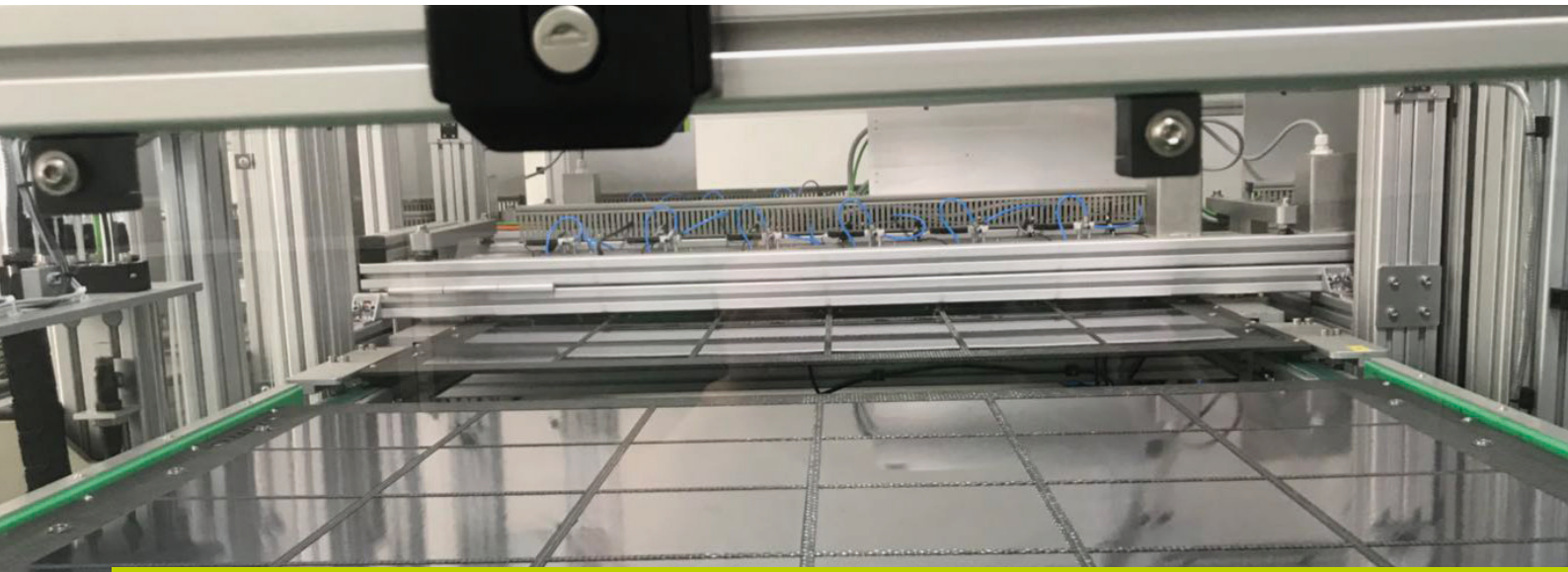
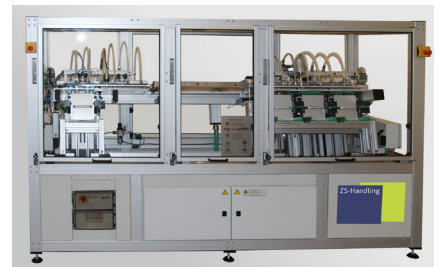


Modular Waferhandling-System



CONTACTLESS HANDLING OF WAFERS

The modular Waferhandling-System facilitates all possible handling processes of wafers. Loading and unloading, conveying, gripping, inspecting, sorting and singulating can be realized in one system.



No contact with the wafer during the handling in the system

Our Ultrasonic Suspension Technology keeps the wafer on distance the whole time and therefore prevents micro-scratches and contamination.

Features of the Modular Waferhandling-System:

- Modular design
- Suitable for clean rooms
- Customizable according to customer specifications
- Linking various processes in one system

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

Applications



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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