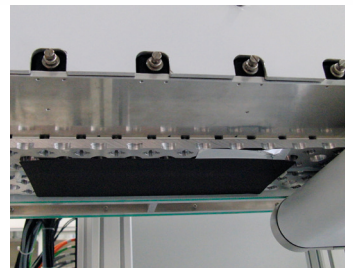
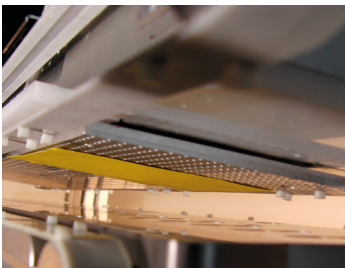


LinearOverhead-Transport

CONTACTLESS OVERHEAD TRANSPORT

With the LinearOverhead-Transportsystem it is possible to lift and transport sensitive materials contact-free from above.



No air turbulences and thus no release of particles

The LinearOverhead-Transport-System uses negative pressure together with ultrasound, which enables contactless linear transport of components on the top side. With this system, the workpieces can be lifted from above and guided along defined lines.

Besides the linear transport, the topside conveyor can be combined with other systems to provide inspecting and sorting, as well as singulation of the substrate.

Features of the LinearOverhead-Transportsystem:

- Contactless overhead lifting
- No damage of the substrate
- No air turbulences
- Available in different lengths
- 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