NCT SERIES
THE NON-CONTACT TRANSPORT SYSTEM
Everything runs smoothly with NCT

The floating suction pads in the NCT series are masterful in sensitively handling delicate surfaces and difficult-to-grasp materials. Lifting and floating, gripping without taking hold – NCT works with virtually no product contact, absolutely gently, while keeping everything safely under control.

Non-contact transport (NCT) according to the Bernoulli principle
The targeted control of compressed air and air flow generates a differential pressure and lifting force between the transport unit and the object, allowing workpieces up to a weight of almost one kilogram to be lifted and moved with virtually no surface contact. NCT is the ideal solution for sensitive handling tasks and difficult-to-grasp materials with delicate, soft, perforated, and uneven surfaces.

- Sensitive products such as CDs, DVDs, or solar wafers
- Permeable workpieces like electronic circuit boards, even with a large degree of perforation
- Objects with hot, cold, wet, dirty, or dusty surfaces
- Soft materials, such as paper or plastic bags

In two series for application-specific usage
For the various requirements and industry sectors, our catalog includes NCT grippers in two material versions.

The NCT-AL (aluminum) series is ideal for applications in the electronics or telecommunication industries.

The NCT-PK (PEEK) series has been designed for the special conditions in the food processing, semiconductors, and the solar industry. NCT-PK enables direct contact with food products or silicon.

### Series NCT-AL NCT-PK

<table>
<thead>
<tr>
<th>Diameter</th>
<th>20, 30, 40, 60, 100 mm</th>
<th>20, 30, 40, 60 mm</th>
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</thead>
<tbody>
<tr>
<td>Lifting force</td>
<td>2.5 – 46 N</td>
<td>2.5 – 12 N</td>
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<tr>
<td>Weight</td>
<td>0.02 – 0.3 kg</td>
<td>0.01 – 0.07 kg</td>
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<tr>
<td>Operating pressure</td>
<td>1 to 6 bar</td>
<td>1 to 7 bar</td>
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<tr>
<td>Housing</td>
<td>Aluminum, anodized</td>
<td>Polyetheretherketone (PEEK)</td>
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Ensures damage-free handling
- Allows direct contact with food products
- FDA and EC-compliant
- Lifts and transports without hold points
- Simultaneous lifting and movement possible
- Airstream cleans the object before handling
- Can be equipped with pads or side guides

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