

AVENTICS^A

NCT SERIES
THE NON-CONTACT
TRANSPORT SYSTEM

Pneumatics
It's that easy





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

Series	NCT-AL	NCT-PK
Diameter	20, 30, 40, 60, 100 mm	20, 30, 40, 60 mm
Lifting force	2.5 – 46 N	2.5 – 12 N
Weight	0.02 – 0.3 kg	0.01 – 0.07 kg
Operating pressure	1 to 6 bar	1 to 7 bar
Housing	Aluminum, anodized	Polyetheretherketone (PEEK)

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.



- ✓ 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

AVENTICS GmbH

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 R500000525/2017-04/EN Subject to change. Printed in Germany.
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