ROTHE is one of the first European manufacturers of carrier tapes. The packaging system consists of a carrier tape, cover tape and the suitable reel. The individual components are individually produced, adjusted and selected by our experts.

No packaging material is better at guaranteeing clean, position-oriented fitting and further processing. To date, we have implemented considerably more than 10,000 solutions for a large variety of industries.
Production

From the design to own production, in-house toolmaking through to logistics, we implement your carrier tape system to your individual demands. With the use of state-of-the-art technology, we develop your products quickly, flexibly, reliably and with a strong performance.

For small volumes, we rely on our tried-and-tested linear forming machine, for large volumes the rotary forming machine is used.

ROTHE production machines

For the production of ROTHE carrier tapes, we use exclusively our ROTHE production machines developed in house, which we are continuously enhancing and adjusting to the individually occurring production conditions. This enables us to achieve best possible quality at a high level of efficiency.

Standards for carrier tape production

Our carrier tapes fulfil all relevant international standards, e.g.: DIN IEC 60286-3, EIA 481-E. However, we also produce carrier tapes specifically to your requirements.

Materials

Rothe carrier tapes, depending on request and function, can be ordered in different materials such as PC, PS, PET and PP. Antistatic and conductive versions are largely also available.

The raw material thickness (standard 0.2 mm to 0.6 mm) is guided by the carrier tape design, cavity and your requirements.

PC
Polycarbonates have a high strength and temperature resistance and can be produced in a crystal-clear manner - ideal for the camera inspection of components.

PET
Polyethylene terephthalates have a high level of rigidity, which is particularly suitable for heavy components. This also allows crystal-clear production - ideal for the camera inspection of components.

PP
Polypropylenes are flexible and have good anti-adhesion properties. They are therefore used solely for forming tapes.

PS
Polystyrenes have very good shape properties and are therefore perfectly suitable to implement extreme geometries.
Carrier tape widths (W)
We produce your carrier tape system in widths from 8 mm to 200 mm.

Cavity depths (K₀)
Depending on the geometry of the components being packaged, cavity depths of 0.1mm to 30mm are possible.

Pitch (P₁)
Depending on the material, a cavity distance (pitch) from 2 mm to 160 mm is possible.

Carrier tape lengths
The optimal carrier tape length is determined on the basis of the reel type and cavity shape and adjusted to special requests, if required.

We offer both fixed and variable lengths either on single or cross winding reels. For critical cavity shapes, we use head winding and/or natron paper as interlayer tape.

On-site service
On request, we also offer expert on site advice for plant and product development.

We will be delighted to support you in the geometrical design, handling and further processing of your components.
Environment
For our products, we confirm the observance of the EC Directive 1907/2006 – REACH.

On request, we will also provide confirmation regarding the adherence to substances per RoHS Directive 2011/65/EU.

Particles / dust
We have effective and powerful cleaning systems, which are directly integrated in the process to guarantee the best possible cleanliness of our carrier tapes.

Ask us for your non-binding, individual carrier tape.

YOUR ROTHE BENEFITS

Quality MADE IN GERMANY

Competitive prices throughout the world

Short lead times based on in-house tool design and construction

Perfect design for maximum protection of your component

Production on the state-of-the-art machines with special focus on precision and variability

Long-standing experience as the producer of carrier tapes

Qualified and competent counselling from the first step

Permanent quality control

Continual development of our production technologies

Carrier tape, reel and cover tape perfectly matched directly from ROTHE
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