

# Labels standard and tailor-made

■ For the technical industry

## ■ Standard labels for industrial applications

For the universal marking of industrial parts

## ■ Labels with special punchings / contour

For application, e.g. on housings with recesses, etc.

## ■ Labels with special properties

Reinforced adhesive layer, heat-resistant, oil-resistant, security effect, RFID labels, laser-inscribable, etc.

## ■ Laminate-labels and paint protective films

Single-layer and multi-layer laminate labels, with tab

## Standard labels for industrial parts marking

For the marking of technical components, mainly in the automotive sector, but also in many other industries, our thermo-transfer printable labels prove their worth in a wide range of applications and have been outstanding for many years.

Depending on necessary, defined requirements, we produce the labels from a wide range of standard materials which we have on stock. Thus, it is always ensured that the label not only meets the specific performance, but also can be delivered in short time.

Whether as a „blank label“, for customer reprinting, or as individually preprinted labels, you always can rely on the quality of the label products from toptack GmbH.

Our wide range of thermal transfer tapes, for the printing of the labels, is tested in combination with the topcoats of the label materials. Only a suitable transfer tape always guarantees an optimal print with high abrasion resistance and high resistance against substances.

We also offer the following services in the field of standard labels:

- Individual label formats, individual packaging
- Labels with initial sample inspection report (PPAP)
- IMDS Registration of labels
- Labels with highly resistant thermal transfer post-printing
- Single or more colour post-printing of labels
- Label printing with variable information and codes
- Camera inspected code printing, for 100% readability

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GmbH



ISO/IEC 15415, protokolliert

100%Qualität toptack  
Lesbarkeitsprüfung nach  
ISO/IEC 15415, protokolliert

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## Labels with special punchings / individual contours

In addition to the standard labels, toptack also offers you labels with special punchings, additional punchings or even special label contours.

- Perforations, in the liner material between each label. With a perforation in the label carrier belt, each label can be separated from the label tape precisely and without any further tool.

The perforations (cut / bridge ratio) can be adjusted to the desired separation force. Especially in the area of customer-side printing, the perforation can often be helpful for the further processing of the labels in production process.

- Punches within the label area can also be realized. In the case that information has to be remain visible behind the glued label.

The punched hole within the label area in the example shown here enables a luminous display (LED) to remain visible.

- Any kind of outer contour of a label can be realized.

In order to be able to utilize the adhesive surface on components or housings as completely as possible for the information with labels, it is partly advantageous if the label adapts as far as possible to the contour of the component.

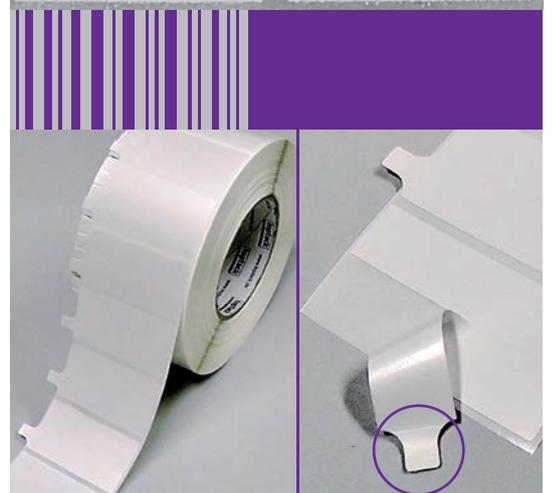
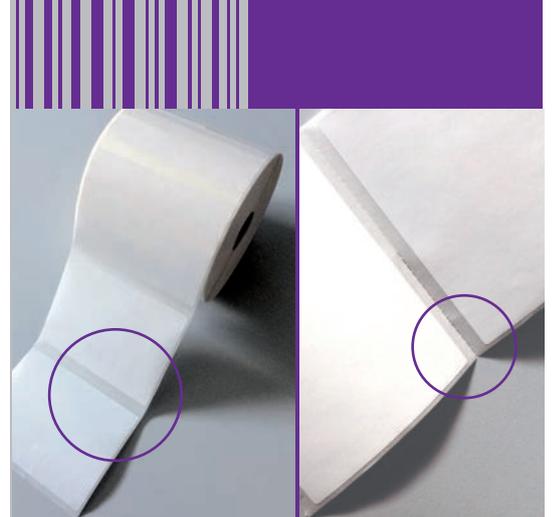
The example shows a label, in the contour adapted to the injection-molded housing. This ensures optimal adhesion of the label and best utilization of the surface in order to print extensive information.

Shared (multiple labels) are especially used for marking components and documentation at the same time.

The label is divided into two labels. The printer prints the information twice, to the part of the label that is glued to the component and also to the second part label that is put into the mounting documents.

- Twin labels „Twin-tec“ from toptack offers a cost-effective and highly efficient solution when the component has to be stuck with a label, and the process of identification has to be documented in addition.

The part of the label which is used for the documentation process is equipped with an adhesive-free tab for better handling.



Adhesive-free tab on the part of the label that is used for gluing into the documentation

## Labels with special properties

Here, toptack GmbH offers a particularly wide range of possibilities. With many years of experience, we offer you special label materials, with characteristics especially adapted to the application.

- Heat resistant labels up to 300° C temperature load are also available with reinforced adhesive layer for safely label on substrates with a high surface roughness of up to RZ 150 (for example on aluminum die cast or aluminum sand cast surfaces).
- Labels for laser marking. We offer laser markable labels as „standard labels“ as well as laser labels for increased temperature loads up to 150° C and for secure bonding on highly structured substrates, with roughness depths of up to RZ 100.
- Labels for media loads with oil, fuel, etc. Through the use of special adhesives and special thermal transfer tapes, toptack offers labels that can be used even under long term stress with e.g. oil or diesel fuel. Despite the media exposure, the label remains firmly adhere to the substrate. Even the printed information on the label stays unrelieved readable under this media load.

Label glued to round component, stored for 7h at 130 °C and under strong oil load. Label adheres securely and firmly to the component after the test.

- Security label SMARTSECURE. With labels made from SMARTSECURE, you are able to protect and secure your products. Sticked on once, labels made of SMARTSECURE can be normally removed again only by destruction. Thus, a piece of security for your products is possible only by labeling. Whether as an opening proof or as a serial number or inventory number label, SMARTSECURE is a cost-effective solution for more safety of your product already at the time of labeling.

- RFID-label (radio frequency identification label). The programmable and flexible label. Toptack GmbH offers label material and solutions for applications in the read / write area of up to 10m distance for labels. Radio waves are used to receive information from the label, and store information on the label. Depending on the adhesive base and the environment, the label material is adapted to the necessary conditions. Toptack offers RFID labels for the programming of information (inlay labels), or as an addition also as printable labels or as labels that can be marked by a laser. Thus, programmable RFID tags can also be provided with visual, readable information by TTR-printer or by laser.



## Laminate-labels and paint protective films

Toptack offers in the area of protective laminates / laquer protection a variety of functional and efficient products.

- Single layer protective laminate with adhesive-free tab. Easy handling and high functionality are characteristic for this product.

You can order this protective label with adhesive, for removable labels or with permanent glue. For use with laquering or for powder coating applications with high temperature load. In general purpose, this laminate is used for temporarily protection of label information, or protection of areas on components, while painting process. Protecting areas or information against laquer. After painting, the protective laminate label is removed. For a better handling, the label handle tab is free of adhesive.

- Multi-layered protective laminate labels with adhesive-free tab. Complex material construction, efficient protection, easy handling.

The multi-layer protective laminates consist of permanently and detachably adhesive laminate layers. Designed for use in coating or powder coating applications. Case of a „classic“ application, the multi-layer protective label is glued to a printed label for a component. After the painting process, the uppermost laminate layer is peeled off with the tab, while the lowest laminate (with permanent adhesive) remains permanently on the label, for the protection of the label print.

- For partial surface protection and varnish protection you also receive protective laminates with punched free areas or protective laminates with special contours. As a special feature, toptack also offers a laminate film with a high repellent surface (LOTUS effect). Further information can be found in the brochure „Functional Parts“ or:

<http://www.toptack.de/en/products/adhesive-labels/-/paint-mask-films.html>

- Application of protective laminate or labels. In the smaller piece range, protective laminates are usually glued manually on labels. However, with the increasing number of labels and laminates, this task is time-consuming, inefficient and thus expensive.

With the „Label printing & Lamination station“ toptack offers you a cost-effective machine, which allows you to apply protective laminates automatically to printed labels.

Efficient solution from toptack GmbH, for the automated application of protective laminates or labels.

Application video:

<http://www.toptack.de/en/products/machinery/-/printer/-/laser/-/systems.html>

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Protective laminate labels with glue-free grip tab



Example multi-layer laminate: Sub-laminate with permanent adhesive

Upper laminate with removable glue and glue-free grip tab

