



traytec



Experienced. Innovative. Reliable

Profile Experienced. Innovative. Reliable



traytec was started in 2009. Since then it's developed into a service-oriented specialist for the design and production of disposable and multiple-use trays. These custom-designed products, manufactured with the deep draw process, are made from a wide variety of plastics and can be found in different industries and applications.

As a dynamically growing company, traytec introduced the quality management system DIN EN ISO 9001 one year after it was founded and all internal and external work and production processes are in accordance with it.

In 2014, traytec received the honour of being named one of the most innovative mid-sized companies (Top 100) – a special milestone in the company's history.



Facts + Figures

- Company formed in December 2009
- 85 employees
- Annual sales 2014: 9.6 Million Euros
- Annual sales 2015 forecast: 13.00 Million Euros
- Annual sales 2016 forecast: 15.50 Million Euros
- Certified as DIN EN ISO 9001 since 2010

Plastics used

- ABS
- ABS-TPU
- ABS-TPU (conductive)
- PS
- PS (conductive)
- PE

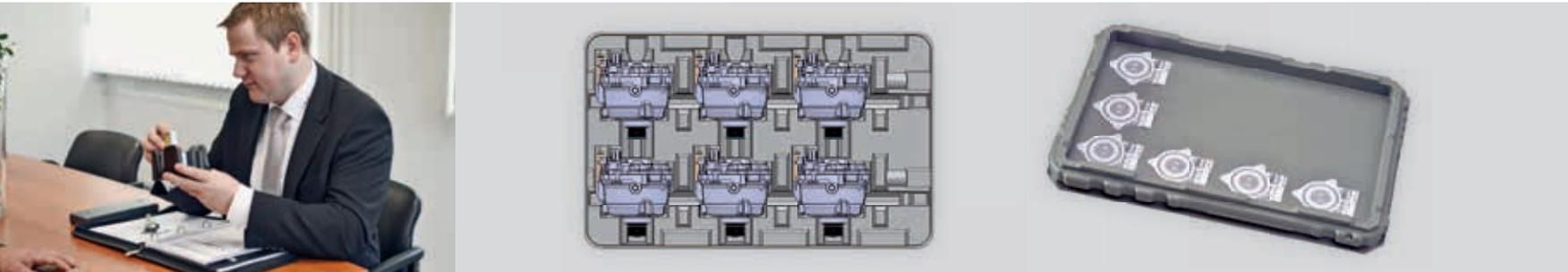
- PP
- PET (PET-A, PET-G, PET GAG, PET-A/PE)

Material thickness used

0.3 – 12 mm.



Process Individual. Precise. Flexible.



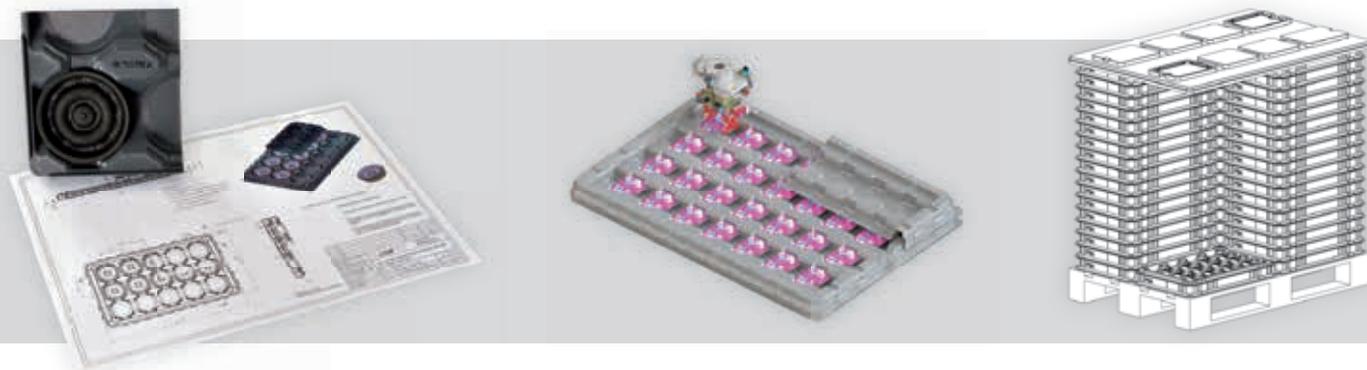
Customized Offers

At the start of any new project it's critical to have a detailed solution oriented consultation. In close reference to the client and with consideration of the specific requirements of the project, traytec then designs a custom-fit packaging solution. On this basis a specific offer is made and includes a first layout drawing.

The company has the client's entire catalogue of requirements firmly in view: from the optimum product protection (nest position), the maximum use of the available area, over prescribed external measurements of the individual insert, to the application of the required plastic (coloured, transparent, oil resistant, friction resistant etc.).

traytec realises your ideas and develops new, functional, and economic solutions.

Process Individual. Precise. Flexible.



On the basis of customer's needs our design division develops custom-designed solutions for new trays that are configured for a great variety of container and palette sizes. Currently eight qualified designers use high tech drawing programmes to individually conceptualise tray systems in 3D format including a 2D version. Additionally, we quickly produce a 3D prototype (nest-sample) for our client's consideration.

Design



Process Individual. Precise. Flexible.



Metal tool preparation

In the metal division of tool construction, aluminium deep draw tools are produced by milling contractors and then finished in accordance with customer requirements. This process includes the drilling of vacuum holes, the exact connection of slots as well as completing the tools for production.

An additional service area is the putting in and taking out of deep draw tools, using an SAP guided administration system wherein every tool has its place.

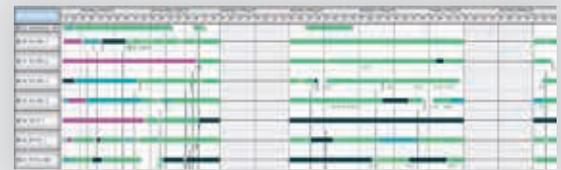


In the wood division the counterpart to the aluminium tool is created in the form of a stamp. These stamps are used to ensure an even distribution of material during the production of the trays.

In detailed craftsmanship, these stamps are made of heat resistant wood and are then covered with a special felt. In certain cases it's also possible to have these made out of the plastic POM.

Wooden tool preparation

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Task	Start	End	Dependencies
Task 1	00:00	01:00	
Task 2	00:00	02:00	Task 1
Task 3	01:00	02:00	Task 1
Task 4	02:00	03:00	Task 2, Task 3
Task 5	02:00	04:00	Task 2, Task 3
Task 6	03:00	04:00	Task 4, Task 5
Task 7	04:00	05:00	Task 6, Task 5
Task 8	04:00	06:00	Task 6, Task 5
Task 9	05:00	06:00	Task 7, Task 8
Task 10	06:00	07:00	Task 9, Task 8



Production planning

traytec produces its tray systems flexibly and according to the specific requirements of the client in differing degrees of automation. An SAP supported production planner keeps track of each job during the production by means of a barcode. The number of produced trays as well as the capacity of production can all be tracked. In doing so, traytec has created a transparent production process and can provide exact information regarding delivery dates of the tray systems to the client. Before production begins, a series of meetings are held to discuss the specific tray requirements with employees.



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Production (material flow)

A tray begins to be produced with the arrival of the raw material. To achieve a consistently high level of quality with the material to be worked we store our plastic sheets in air-conditioned rooms. Only shortly before we begin production is the material brought to the machines. Generally, at traytec we differentiate between multiple use trays and disposable trays. Additional production steps include printing, ultrasound welding, to the application of labels or label holder.

After completion the trays are packed in accordance with client requirements and are kept in our products storage room until delivery. Here we use the FIFO method. traytec places a great emphasis on high quality and works with the company Illig – a long-time and experienced partner in thermoform matters. traytec's modern production facilities, particularly in combination with constant optimisation of the manufacturing process, guarantees a high quality product that has a lot of different applications.



Process Individual. Precise. Flexible.



For the pharmaceutical and medical industry traytec produces specialized packaging in clean rooms and in accordance with the ISO Class 8. Included in these special packages are transport, storage and facility trays for ampules, inhalation devices and syringes.

In addition, the company produces packaging products, in accordance with hygiene standards (HACCP) for the food industry like

- packaging for fruit and vegetables
- sales packaging for ham

Clean room

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Long distances – short distances – disposable and multiple-use trays serve the different requirements of the worldwide automobile industry.



Automobile

traytec produces disposable and multi-use trays for a wide variety of uses in the automobile industry.

Disposable Trays

The disposable tray is meant for single use. It is the preferred tray for products being sent abroad. Production of the disposable tray is fully automated. The thickness of the materials used is from 0.3 up to 2.0 mm.

Disposable Trays

- are more cost effective than multiple use trays
- do not need to be cleaned because they are disposable
- do not create costs for returning

Multiple Use Trays

Multiple use trays are designed for repeated use. These trays are often used for shorter transports, for example within production sites and/or closer destinations abroad. These trays are produced by semi-automated systems and are available in material strengths from 2.0 mm to 12.00 mm.

Multiple use trays are sustainable because

- as a result of their one time procurement provide a solid basis for cost calculation
- are environmentally friendly

Portfolio Sturdy.Versatile.Customized.



Adaptable - traytec tray systems for electronic products comply with standards and regulations

For the delicate components of the electronic industry, traytec produces packaging solutions from a variety of different conductive materials. The special tray systems hinder not only possible electrostatic build up, but also discharge that previously built up.

Materials Used

- PS-EL (resistance $<10^8$ Ohm)
- A-PET PTD discharge capacity (resistance 10^{9-11} Ohm)
- A-PET dissipative (surface resistance 10^{9-11} Ohm)

As part of the production process of every order, ESD volume and discharge measurements are carried out and recorded.

The exact measurements of the tray systems enable a simple robot to use them. Alternately, ergonomic handles in the interior as well as on the sides of the trays enable comfortable and secure use with the classic manual method.



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Medicine and Pharmaceuticals

The tray systems from traytec comply with the highest security and hygiene regulations as well as the special transport and storage requirements for sensitive equipment of the medical and pharmaceutical branches.

The production for the medical and pharmaceutical industry takes place in an ISO-8 clean room using materials with FDA approval for:

- ampules
- inhalation device
- syringes
- joint ball
- and much more

Adaptable- traytec tray systems for medical products comply with standards and regulations.



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Naturally plastic – specialised products for the foodstuff industry and displays of all kinds are created from a broad palette of different plastics.



traytec also uses an ISO-8 clean room for the production of trays for the food industry using plastics appropriate for foodstuffs:

- packaging for fruit and vegetables
- sales packaging for ham
- and much more

Foodstuffs



Displays

traytec produces displays from a wide variety of materials, e.g. polystyrene, ABS and PED for a variety of industries. The colours of the plastic material are adjusted individually.

The broad product palette includes:

- specialty packages for the cosmetic industry
- special packaging for the consumer goods industry
- unique solutions of all kinds

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