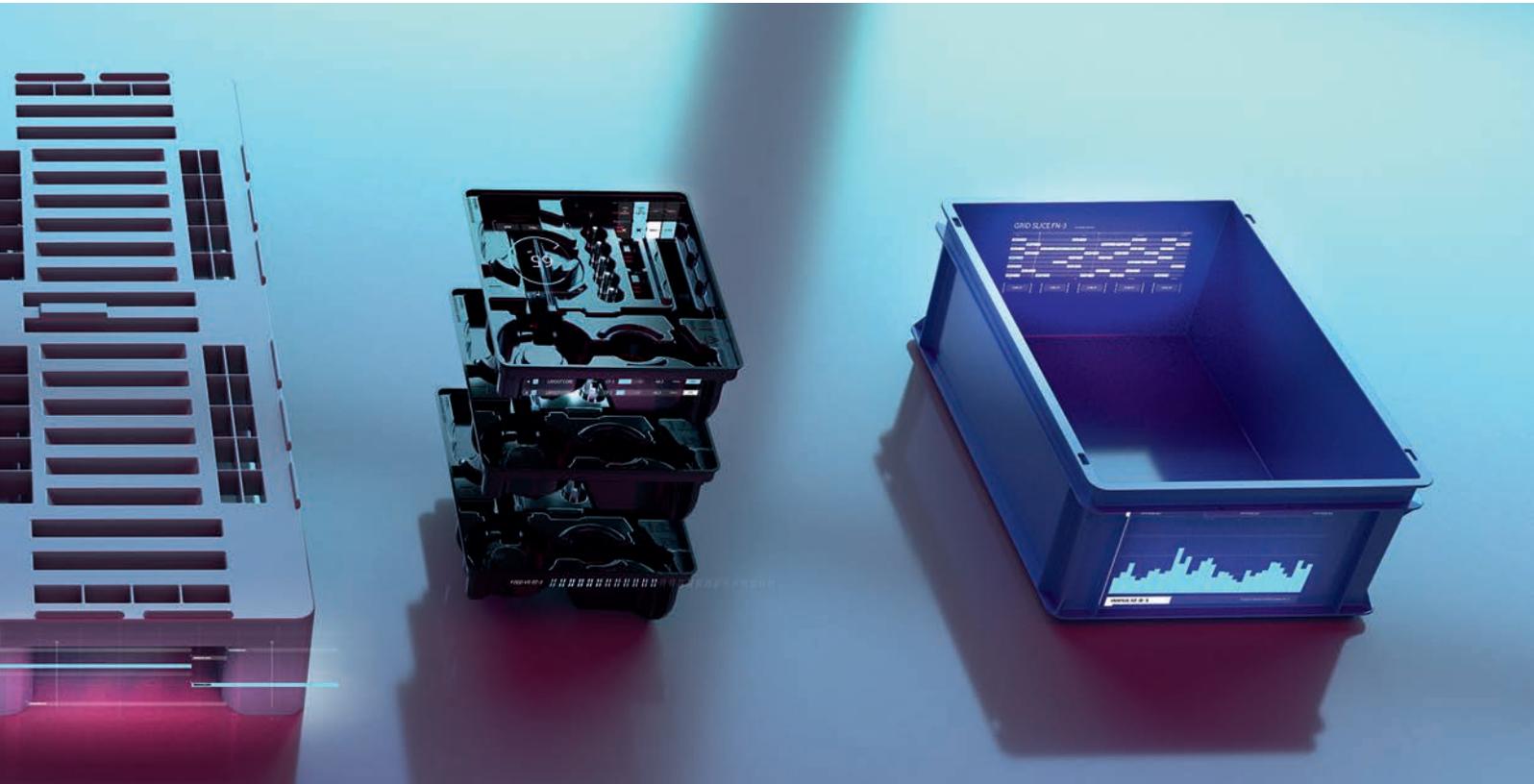


*clever – creative – sustainable – smart*



## Utz Product Overview



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### **Welcome to Utz.**

#### *From Georg Utz to the Utz Group*

Georg Utz founded the company in 1947. He had the energy, the perseverance and the assertiveness to turn his visions of future possible uses of plastic material into reality. He recognised the diverse usage of plastic storage and transport containers in logistics at an early stage. His ideas still apply today.

#### *Utz today*

Today, the Utz Group operates under a holding company. Subsidiaries and agencies allow for customer proximity around the world.

#### *The future of Utz*

Our vision is still to be the leading manufacturer of containers, pallets, component holders and technical parts from recyclable plastic.

We look forward to creative, innovative cooperation en route to this accomplishment.

*Company founder Georg Utz  
1916 – 1988*



Board of Directors of the Georg Utz Holding AG



Axel Ritzberger

### Dear Reader

On behalf of the employees of the Utz Group, I would like to thank you for taking the time to read our catalogue.

No matter where in the world you are reading these lines: There are Utz employees who can contact you at short notice to advise you on the latest solutions in the field of material handling.

Or would you like to visit us immediately on the Internet? At [www.utzgroup.com](http://www.utzgroup.com) we provide up-to-date information on products, specialist topics, trade fair participations and interesting facts about the Utz Group.

We look forward to your enquiries or your visit to the trade fair.

Axel Ritzberger  
CEO Georg Utz Holding AG, Switzerland



Carsten Diekmann

### What can you expect from the Utz team?

More than 220 motivated and creative employees, who will support you in finding the best solution for your application! Reusable transport packaging and technical components made of reusable plastic are our core competence and passion.

Based on our high-quality standard solutions, we develop sophisticated, clever system solutions together with you. Sustainability is the focus here.

Our modern, smart processes and production equipment, the competent Utz team and decades of experience are the solid foundation for our mutual success. Digitization, smart factory and Industry 4.0 are tools implemented by us to work even more efficiently for you.

Do you have any questions or requests? Do not hesitate and challenge us. The Utz team is also close to you and will be happy to give you expert advice on site at any time.

Carsten Diekmann  
General Manager Georg Utz AG, Switzerland

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(\* = own Utz employees on site)

And on the Internet: [www.utzgroup.com](http://www.utzgroup.com)

# Utz SWITZERLAND

## Georg Utz AG

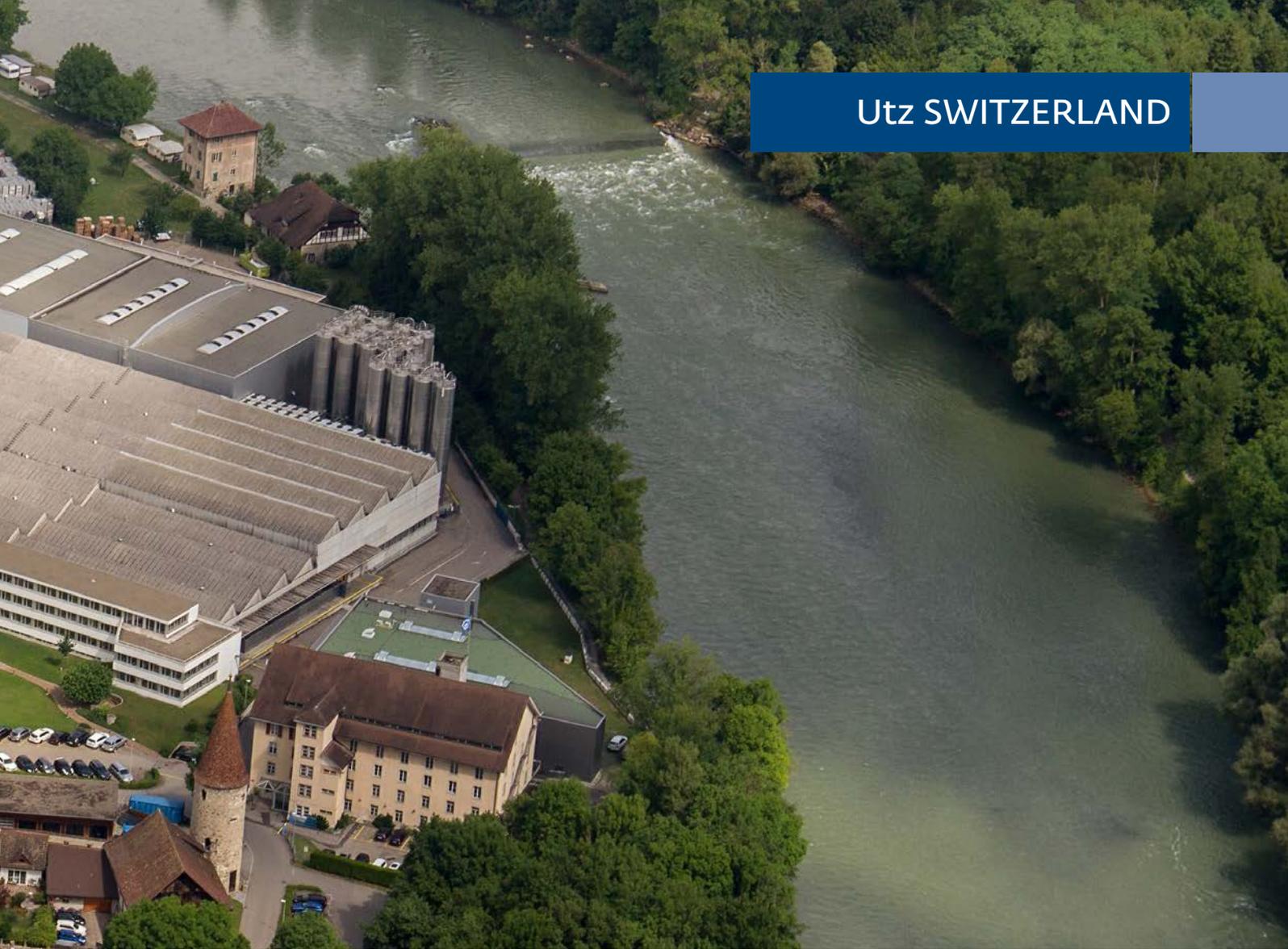
is a manufacturer of storage and transport containers, pallets, component holders and technical parts from recyclable plastic.

The production site in Bremgarten (Aargau) is the Swiss subsidiary of the Georg Utz Holding company, which also has its head office in Bremgarten. This site employs around 220 members of staff.

Utz is a supplier of a very broad product palette. We operate two production processes: Containers and pallets are usually injection-moulded, while workpiece carriers are thermoformed. As containers and workpiece carriers are frequently combined, these production options offer special advantages for the customer. One focus of our activity therefore lies on the solution of customer-specific tasks.

*You can find us here*





### *Service and Support*

Our competent sales team will advise you, cater for your special requirements and attempt to arrive at fast, practical and simple solutions.



### *Project Management*

Our project managers handle projects from their initial idea to their realisation.



## From the idea to the product



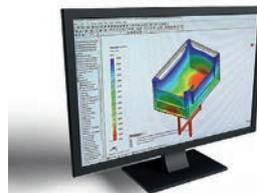
### *The idea*

All requirements related to the planned product are summarised in specifications within the framework of an extensive checklist.



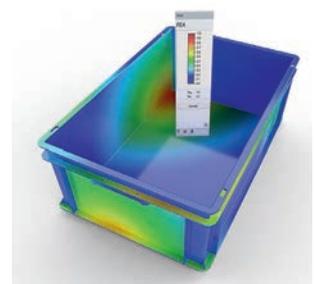
### *3D-display*

Technical drawings form the basis of further development. This results in three-dimensional displays which enable an initial introduction of the future product.



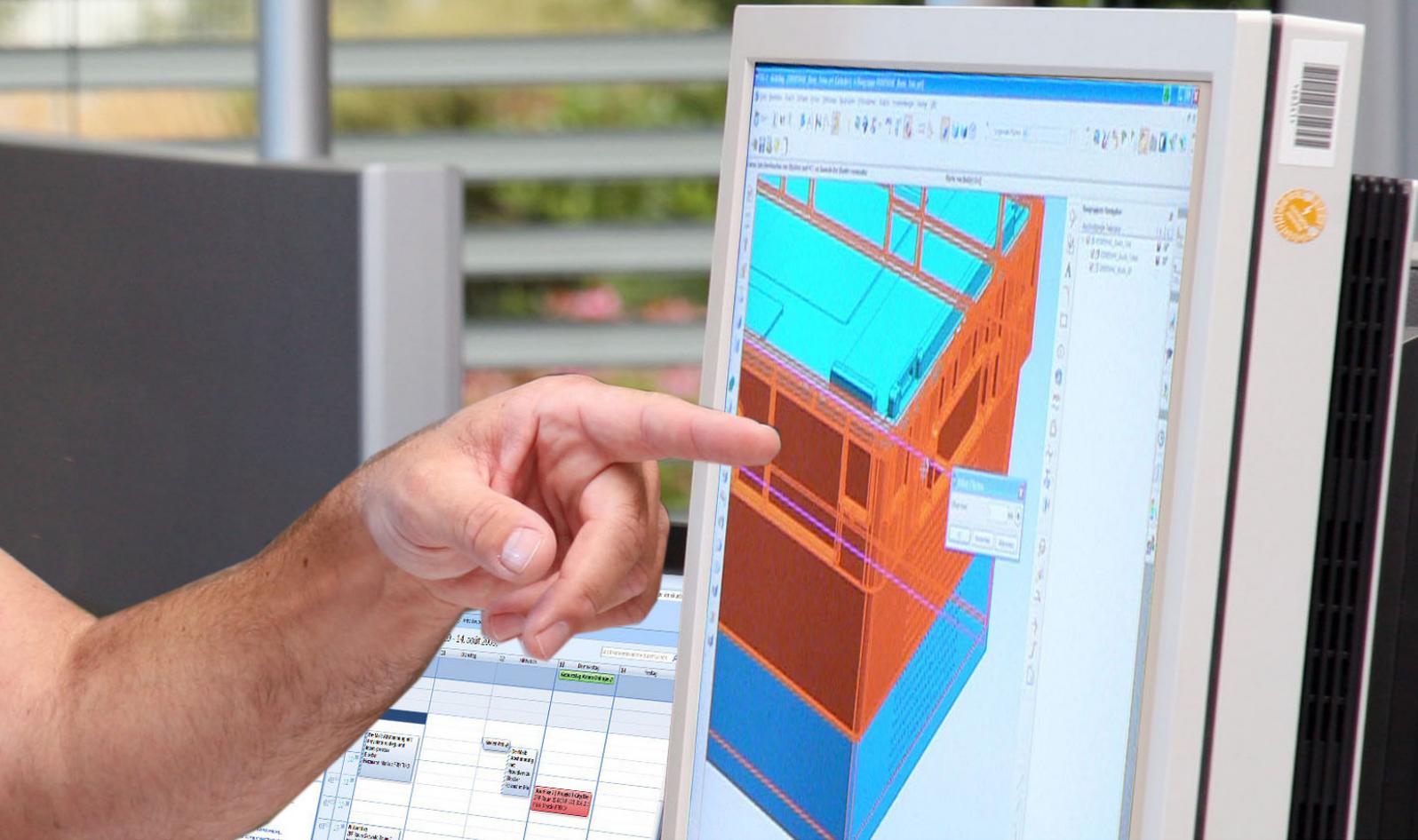
### *Mould flow analysis*

The analysis provides information about the flow behavior of a plastic and allows tool optimization at this point.



### *FEA analysis*

With the help of FEA, virtual components can be calculated on the computer and deformations and stresses under the influence of force can be simulated.



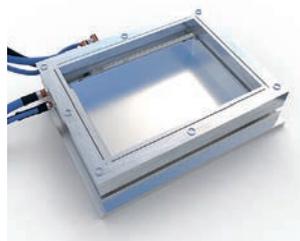
**Rapid prototyping**

Based on the technical drawings, details of the planned load carrier can be produced as Rapid Prototyping Samples within a very short period of time.



**Model making**

In order to ensure that everything is accurate we will also produce a model of the planned load carrier.



**Tool constructions**

In our in-house tool making department, ideas can be implemented quickly or any revisions and repairs can be carried out in a short time.



**Serial production**

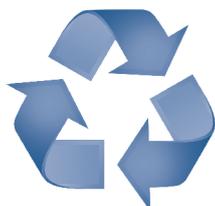
Serial production can start once the tool has been approved by the customer after sampling.



## Recycling and UIC®

### *Recycling and Utz Industrial Compound UIC®*

What actually happens when plastic containers or pallets are actually discarded? Utz takes these load carriers back! In an Utz Recycling Center, the material is stored by type, shredded and then prepared for further use. The physical properties of the processed material can be compared with those of new material. Standard material properties are tested and documented so that the granulate known as **Utz Industrial Compound (UIC®)** can be further processed. UIC® is a plastic raw material with documented properties and the usual Utz quality.



*Oeco-Line*

For years, we've committed ourselves to taking back our products after their lifetime. These old containers and pallets are then ground and the regrind thus obtained is reused for the manufacturing of new products. Recycling in its purest form.

The label **Oeco-Line** identifies our products made from UIC® recycled materials.



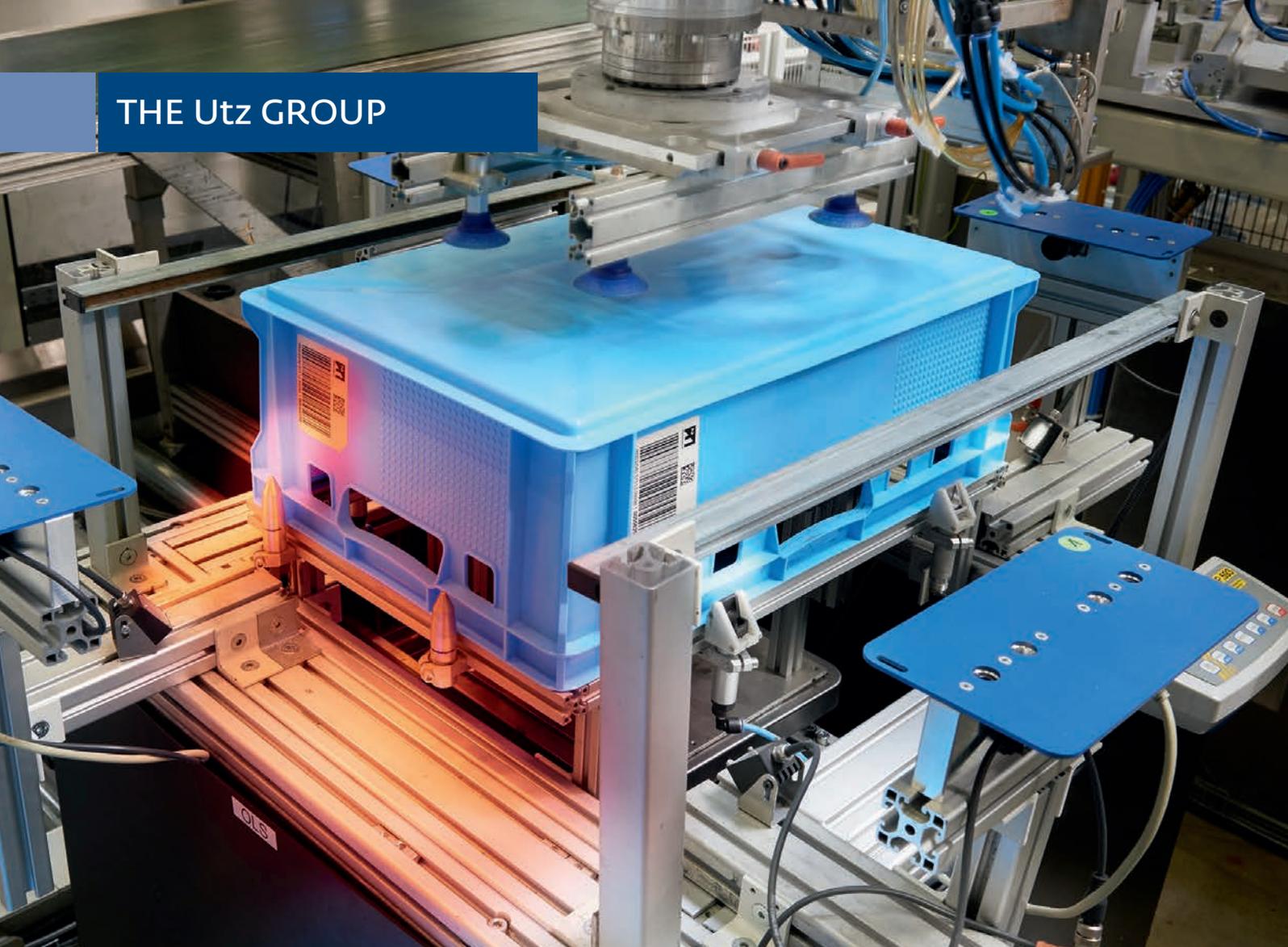
## Sustainability

The multiple use cycle has always been the basic idea behind our activities, even when environmental protection was still a widely ridiculed topic. The production of the first plastic container served to offer the customer a packaging that would not add to the landfills after only one use. The reusable concept was therefore the fundamental idea behind all further product innovations at Utz.

Together with myclimate, Utz is developing a climate protection strategy with the goals of increasing its own efficiency, using renewable energies and compensating the unavoidable emissions that arise during the manufacturing process with a selected global or local climate protection project.

This strategy is part of the Utz cycle. We can therefore offer our customers a special feature in the industry: climate-neutral reusable containers and pallets!





## Quality and safety

### Quality Management according to DIN EN ISO 9001:2015

The Utz Group has a comprehensive quality management system in place. This ensures that Utz products are of consistently high quality and meet customer requirements.

### ISO 9001:2015 Quality Management



### ISO 45001:2018 Health and Safety



## Service for everything concerning containers

### *Marking and labeling*

- hot stamping
- pad printing
- thermotransfer printing
- attaching barcodes
- attaching transponders and RFID tags

### *Welding*

- ultrasonic welding
- vibration welding
- mirror welding
- infrared welding

### *Inmould Labeling*

Barcode labels are inserted into the injection-moulding tool and are firmly connected to the container. This prolongs label life, especially during washing.

### *Further processing*

- sawing
- punching
- drilling
- milling
- riveting
- coating

### *Assembly*

- label pockets and holders
- carry handles
- threads
- locks
- belts
- foams

## PRODUCTION PROCESS THERMOFORMING



### *Thermoforming*

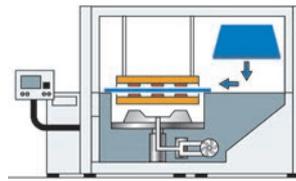
Thermoforming is a manufacturing process which reforms thermoplastic synthetics. The resulting load carriers are usually called workpiece carriers. Workpiece carriers are able to perfectly incorporate the stored products into so-called nests.

### *The raw material*

Component holders are formed from plastic plates which are removed from a magazine and further processed in the thermoforming machine. Material from the roll is also used.

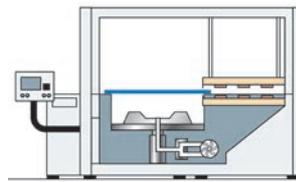
### *The tool and the production*

In order to produce thermoformed component holders, a plastic plate is heated. The heated plate is pulled over a tool by a vacuum generated in the machine. The edges of the component holder then have to be milled or punched out.



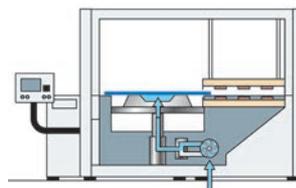
### *1. Heating process*

A plate or film consisting of thermoplastic material is tightened in a tenter frame and heated with a suitable heat source up to and including the plastic area.



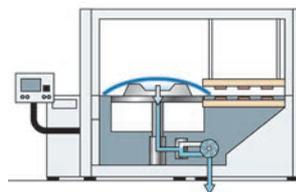
### *2. Start of the formation*

Once the plate is suitably heated to enable forming, the radiators are retracted.



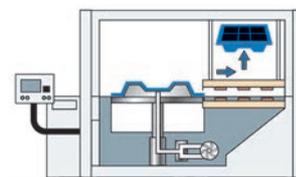
### *3. Formation: Creating excess pressure*

The base plate and the tool are lifted. A pump creates excess pressure (preblowing).



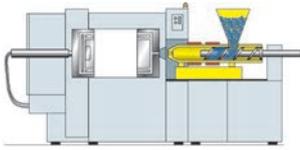
### *4. Formation: Creating a vacuum*

The heated plate is pre-stretched by air pressure and the forming tool is driven to the pre-stretched plate. The air between the tool and the plate is aspirated (vacuum).



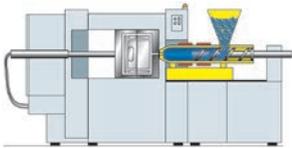
### *5. Finished!*

The external atmospheric pressure pushes the soft plate to the mould wall to such an extent that the contours are accurately copied.



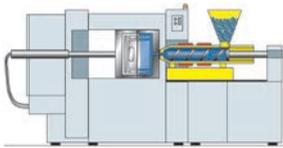
*1. Preparing the injection process*

The tool is open and granulate is available.



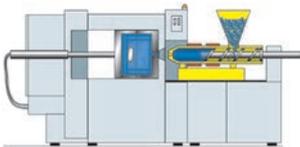
*2. The injection process begins*

The tool is closed, the granulate is moved to the spiral.



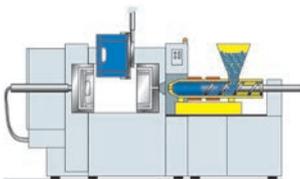
*3. The injection process*

Tool is closed, granulate is heated and used as viscous plastic mass injected through a nozzle into the cavities of the closed tool.



*4. The injection process is completed*

The container cools down.



*5. Finished*

The tool moves apart and the container is removed by robot.



*Injection-moulding*

Plastic containers or pallets are often produced by injection moulding.

*The raw material*

The initial material required to manufacture plastic containers is called granulate. These are small plastic pellets, which are often tinted. The granulate is stored in large silos, from where it is fed into the injection-moulding machine.

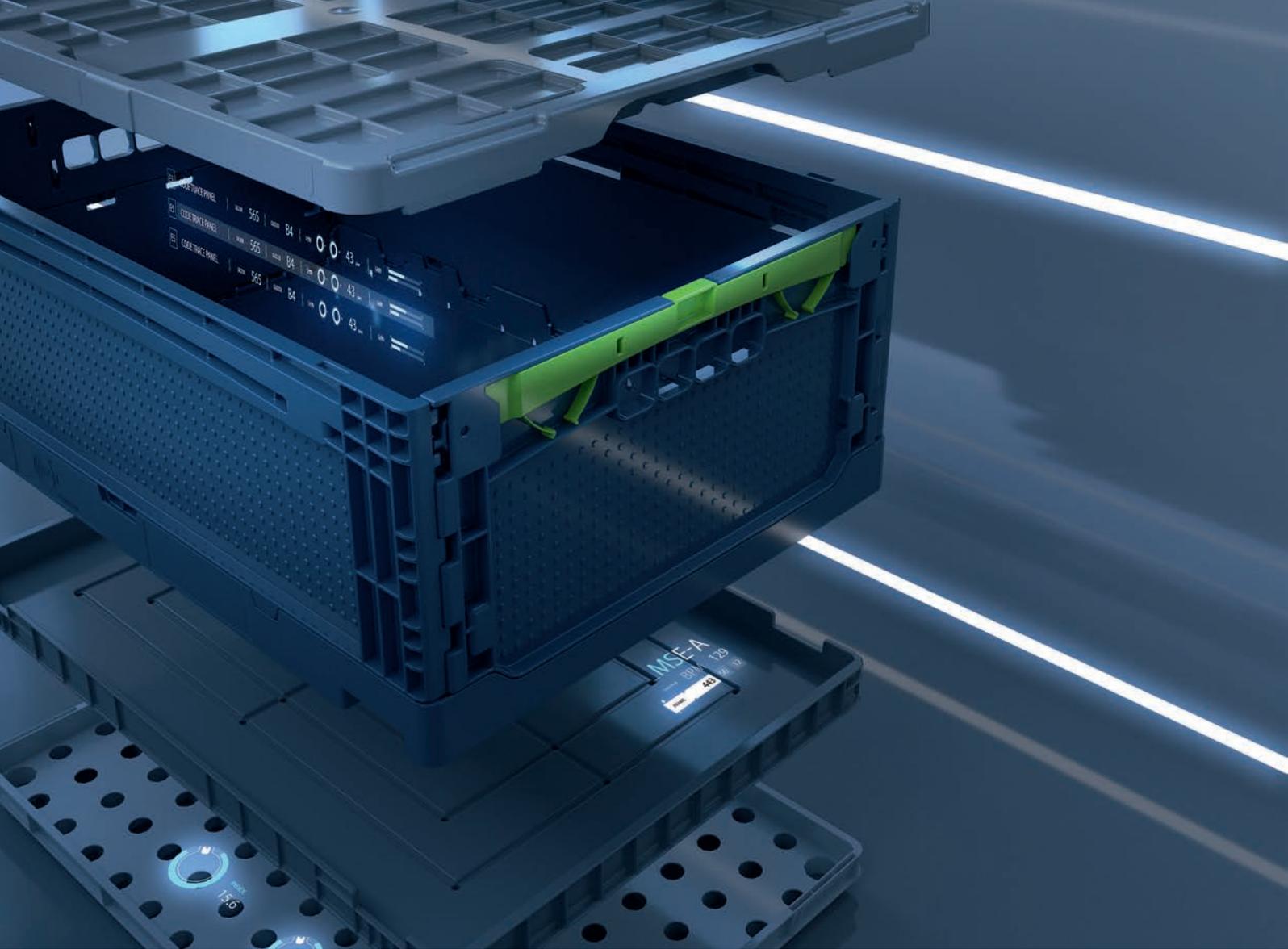
*The tool*

The production of an injection mould from steel, which can assume impressive dimensions depending on the size of the container, is very time-consuming. The cavities in the interior of an injection mold correspond in their shape to the container that is to be made of them.

*The production*

A cylinder with a "corkscrew bolt" is an important component of the machine. In it, the granulate is transported to a nozzle, from which the injection-moulding tool is clamped into the machine.

Two stamps press the two halves of the tool together and the viscous plastic is injected into the tool cavities. The two tool halves move apart and the completed product is removed by a robot.



# Individual customer solutions

## *A solution for every task*

Sometimes, tasks based on individual customer requirements can be solved by the modification of standard containers. However, they often require totally new ideas and solutions.



*AutoStore container with dividers*

Special containers offered by Auto-Store for an automated storage system with notches at the short and long walls for compartment dividers.



*Box for the transport of ball bearings*

High-quality ball bearings of various sizes are transported in this re-usable container. Individually adjustable eccentric elements are used to fit the ball bearings securely into the container.



*Ampoule tray*

For the company-internal transport and storage of vials for pharmaceutical production.



*Custom container*

with injected holders for different engine parts.

### *KLAPA with component holders*

Component holders in a metal frame are inserted into a KLAPA Special. The component holders are used to transport assembly parts for the automotive industry. If parts are removed from one layer, the component holder can be folded up to allow access to the next, subjacent layer.



### *Engine frame*

A simple solution for transporting cylinder heads to the assembly line: the parts are placed onto the free layer of the frame and locked with stoppers. The cylinder heads are removed at the assembly line and de-stacked layer by layer. The entire unit is placed on a UPAL-H ISO pallet.



DEUTSCHER  
VERPACKUNGS  
PREIS 2013





# Thermofomed component holders

## *Accurate perfection*

Vacuum forming is a manufacturing process which reforms thermoplastic synthetics. The resulting load carriers are called component holders. Component holders are able to perfectly incorporate products. The smallest component holders, which we produce on our machines, have a basic size of 100 x 80 mm, the largest are up to 1200 x 1000 mm.



## Stackable component holders made of a frame tool

### *Frame with interchangeable insert*

An individual ground tool is developed and clamped into a standardised frame tool for the products to be packed. Frame tools are characterised by the special contour of the frame. This allows precise positioning so that the component holders can also be used on automatic conveyor systems.

Frame tools are available in standard sizes from 350 x 250 mm up to 1200 x 800 mm.



### *Highly efficient*

Vacuum formed component holders can be constructed so that they can be stacked on top of each other. This means: more stored products per surface area.

### *Pollution prevention*

Sensitive parts stored in stacked component holders are protected from dust and pollution, whereby only the top-most layer needs to be covered with a lid.



### *With coloured marking*

Stackable component holders with colour marking as anti-twist protection.

## Stackable component holders with fixed support elements

### *Thermoforming with additional elements*

Sometimes there are requirements for the exact fitting of products which cannot be solved by thermoforming alone.

### *From two to one*

In such a case, specially shaped plastic or metal mounting elements are integrated into the thermoforming process so that they can be firmly attached to the actual component holder. Component holder and the corresponding mounting element then form a stable unit.

### *With plastic pins*

Stackable component holder with plastic pins as additional elements for holding gear wheels.



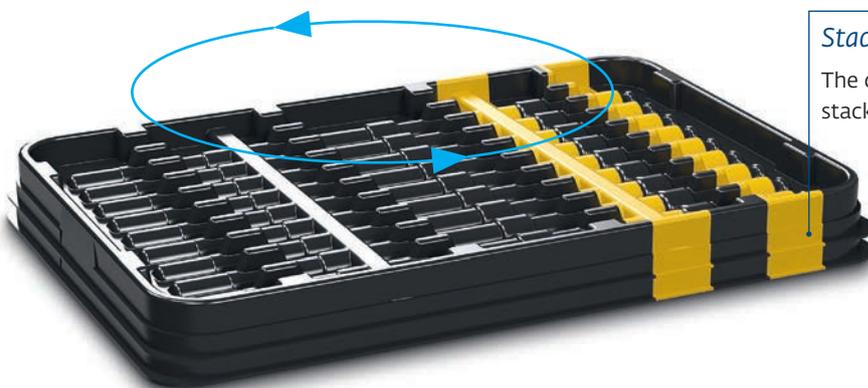
## Stack/nest and nestable component holders

### *Stackable – nestable*

Stack nest component holders are stacked in a full condition. Once the products are removed, the empty component holders can be nested by a 180 degree rotation.

### *Space-saving effect*

This enables up to 80 % of saved space during empty transport.



### *Stacking*

The component holders are stackable in this position.

## Component holders as container inserts

### *Transport safety*

If precision parts need to be delivered in a plastic container, it makes sense to first secure these parts in a component holder which is then inserted into the appropriate container.

### *Reusable packaging*

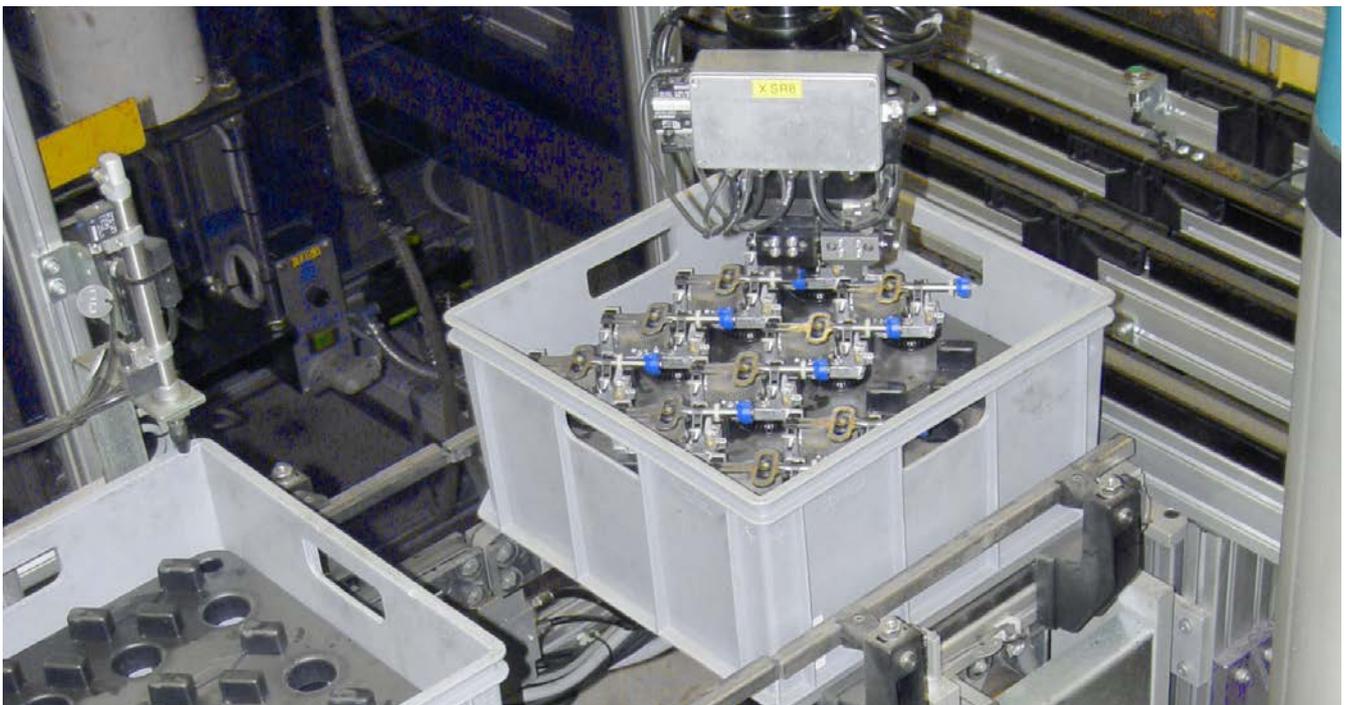
The plastic containers can still be used even if the series should change at a later stage. Only the insert needs to be replaced.

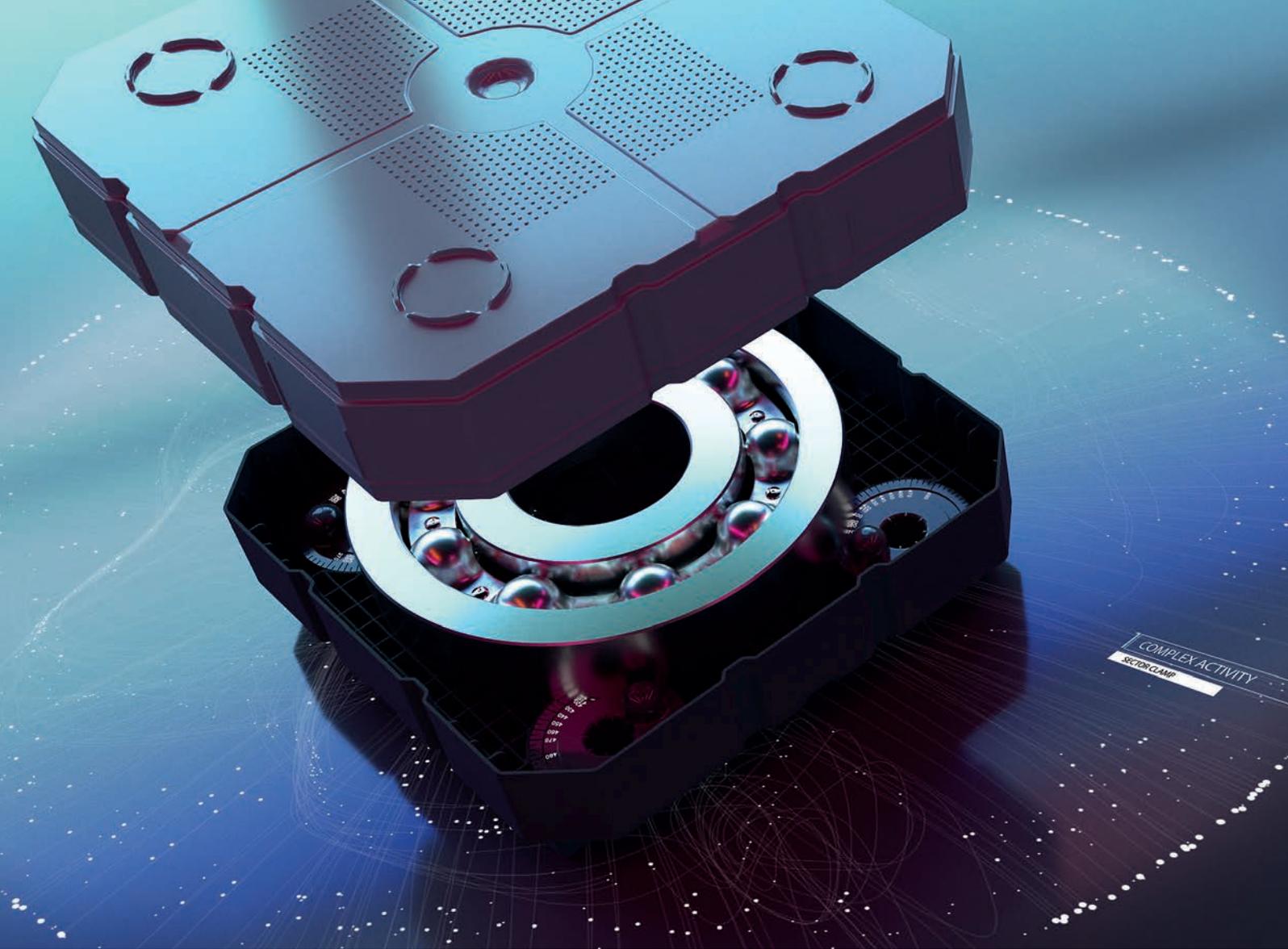
#### **RAKO**

with openings on the long sides, into which a vacuum formed component holders can be clipped as insert.

#### *Stackable component holders*

can be layered and stacked on top of each other in one container.





# Injection moulded component holders

## *Component holders with precision*

Specifications to precision and tolerances are sometimes so extensive that component holders need to be injection-moulded. It may also occur that struts and indentations make injection-moulding seem the only sensible method of production. If very large quantities of a component holder need to be manufactured, injection-moulding is frequently the more economical production process.



*Component holder*  
with 112 receptacles for  
pressure valves.



*Toothed belts*  
for the motor control are transported  
on this component holder.



*Component holder*  
for reception of control  
elements in the automotive  
sector.



## INJECTION MOULDED COMPONENT HOLDERS



### Trays – containers without sidewalls

#### *Goods carriers for automated handling*

Especially in the automated warehouses of large mail-order companies, a large number of goods are delivered in very different packaging. In most cases, these packages are not suitable for conveyor systems. Repacking in suitable plastic containers is completely unthinkable for economic reasons, but also for reasons of time. Therefore the incoming parcels are sorted on trays which are suitable for automatic conveyor systems. Depending on the products to be transported and the conveyor systems used, each tray is an individual customer solution.



## INJECTION MOULDED COMPONENT HOLDERS



*Component holder as a tray with arresting domes*

The arresting domes equipped with springs serve to fixate differently sized containers or cartons.

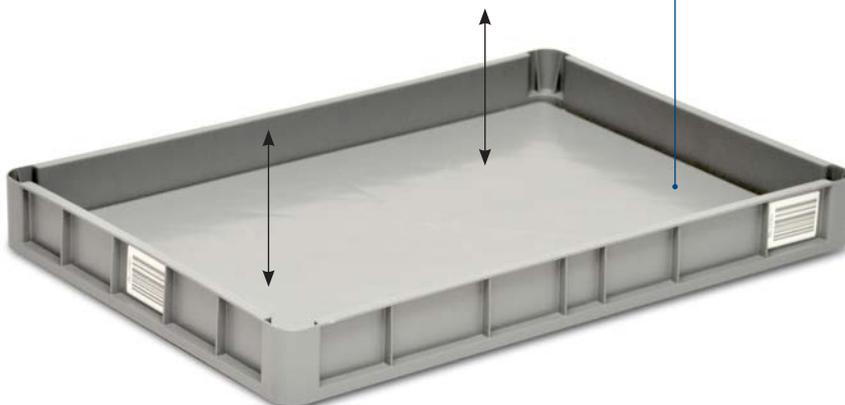
*Component holders for syringes*

Trays made of ABS dissipative for the fully automatic production process for the manufacture of syringes.



*Tray with lifting plate*

The inner plate of this tray with the basic dimensions of 640 x 440 mm can be moved vertically and is used for the automatic removal of cardboard boxes.





# utz RAKO

## *One for all*

The RAKO is a universal plastic container that can be used for all conceivable requirements. In spite of many base variants, which also enable use on automatic conveyor systems, the RAKO is often chosen when manual handling is required. This makes the RAKO a typical storage and transport container.

The name RAKO stands for the technical construction of the container: four corner columns, in connection with the upper U-shaped, circumferential rim and a base with circumferential rib give the container an extremely stable frame.

There are about 350 variants of the RAKO, a plastic container with greater flexibility is hardly imaginable.





*Versatile and flexible*

The basic euro container RAKO enables a large number of variations by combining various sidewalls, bases and handles.

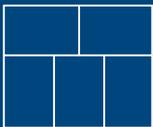
When selecting the perfect container, you can choose between solid, perforated and slotted sidewalls, a solid, grated or ribbed base, depending on its purpose and stress level insert an enclosed double base and decide between a profile handle, handle slots or shell handles.



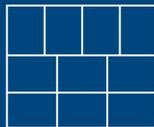
**RAKO suitable for Euro pallets and ISO pallets**

RAKO containers can be stacked onto pallets for storage or transport. This is why the base size of the containers must be aligned to the base size of the pallets. The RAKO containers can be stacked both on Euro pallets and on ISO pallets. The illustrations show how this works.

*ISO pallet 1200 x 1000 mm*



RAKO  
600 x 400 mm



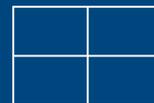
RAKO  
400 x 300 mm



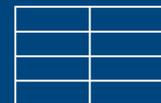
*Euro pallet 1200 x 800 mm*



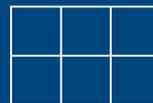
RAKO  
800 x 600 mm



RAKO  
600 x 400 mm



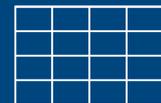
RAKO  
600 x 200 mm



RAKO  
400 x 400 mm



RAKO  
400 x 300 mm

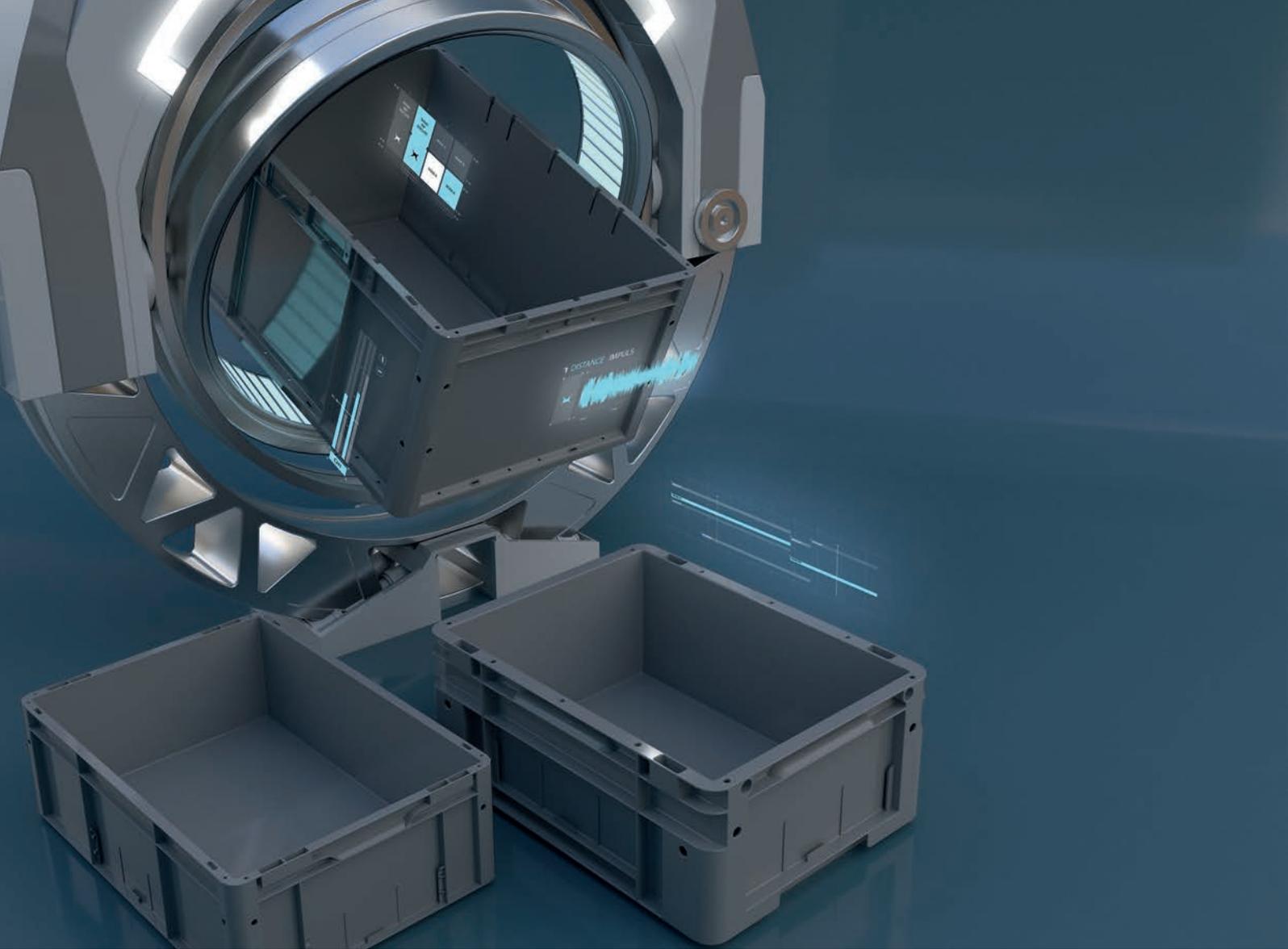


RAKO  
300 x 200 mm



RAKO  
200 x 150 mm





# utz EUROTEC

## *High-tech container for automatic handling*

The EUROTEC is predominantly suitable for automatic handling on all conventional storage and conveyor systems.

The EUROTEC has a large number of points for robots to grab on to or where an automatic conveyor system can be positioned. Recessed grips and handle holes also permit manual container handling. This is supplemented by a selection of base variations, so that warping of the base and resulting faults in the conveyor system caused by adjusted container loads can be excluded.



Vertical take-up



Horizontal take-up



Grip sleeve



Lower pulling channel

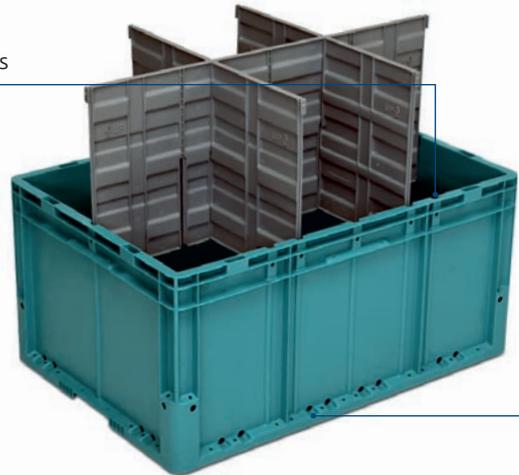


U-channel



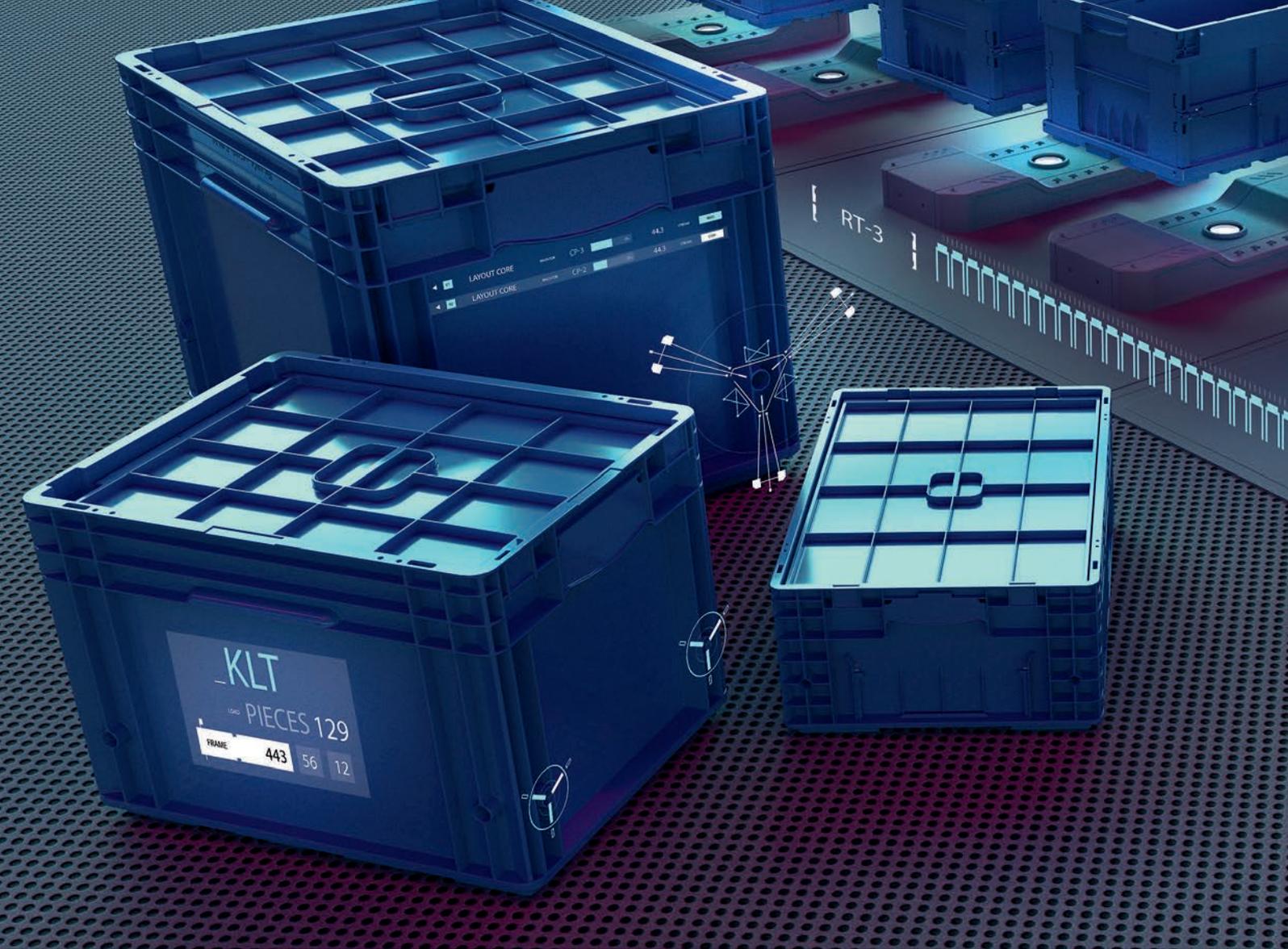
Partition panel guide

For safe guidance of the partition panels



Water drain holes





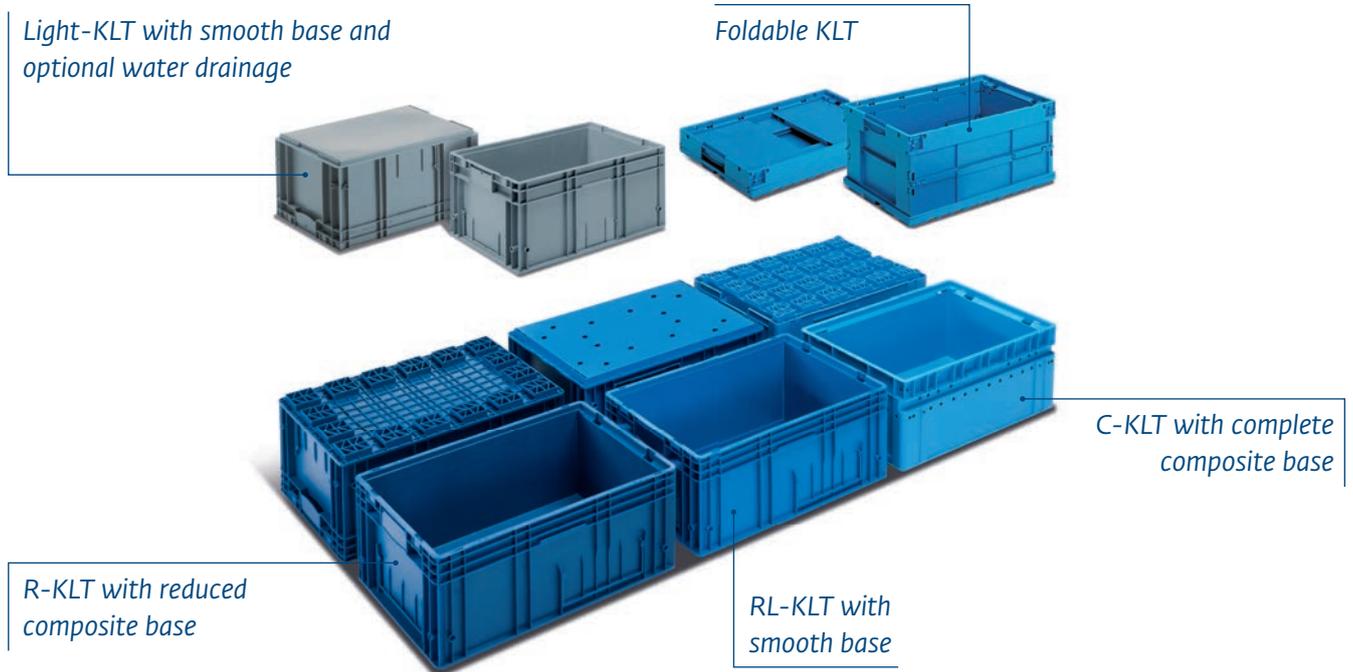
## utz KLT (VDA)

### *Containers for the automotive industry*

Automobile manufacturers and their suppliers use a variety of carriers that the VDA (German Association of the Automotive Industry) has standardised with the specifications of the 4500 standard. These include the R, the RL and the foldable KLT. In addition, there is the C-KLT, the Light-KLT or the medium container that do not conform to any standard.



## The variants



## Special KLT

### Container for products requiring special protection

In order to transport easily destructible items in a SLC, thermoformed component holders are inserted into the container which fit the mounting parts perfectly. This type of SLC with component holder is referred to as a special small load carrier and is characterised by being an alternative colour to the VDA specifications.



## utz **MEDIUM PLUS**

### Just right for the automotive industry

Utz MEDIUM PLUS is the suitable addition to the proven KLT containers from Utz. With top handling, high loading capacity and easy integration into the work processes. MEDIUM PLUS has the typical Utz features: multifunctionality and high quality down to the last detail. Available in the basic dimensions 1000 x 600 mm and 600 x 500 mm and in various heights.





# utz EUROWAVE

## *One system, 5 Dimensions*

The EUROWAVE is a new container designed for daily storage and transport tasks within many bespoke Utz features, which Utz likes to thrive off. For example, it is clever because it can be easily handled and has a sturdy structure. It is creative because it has a dynamic profile in all aspects. It is suitable because it is produced from UIC® material (Utz Industrial Compound). And it is smart because it is available in 5 different dimensions.



## Dynamic along the line



### *Defined corner columns*

They underline the power of the new design as well as the high stability in everyday use.



### *Easy to handle*

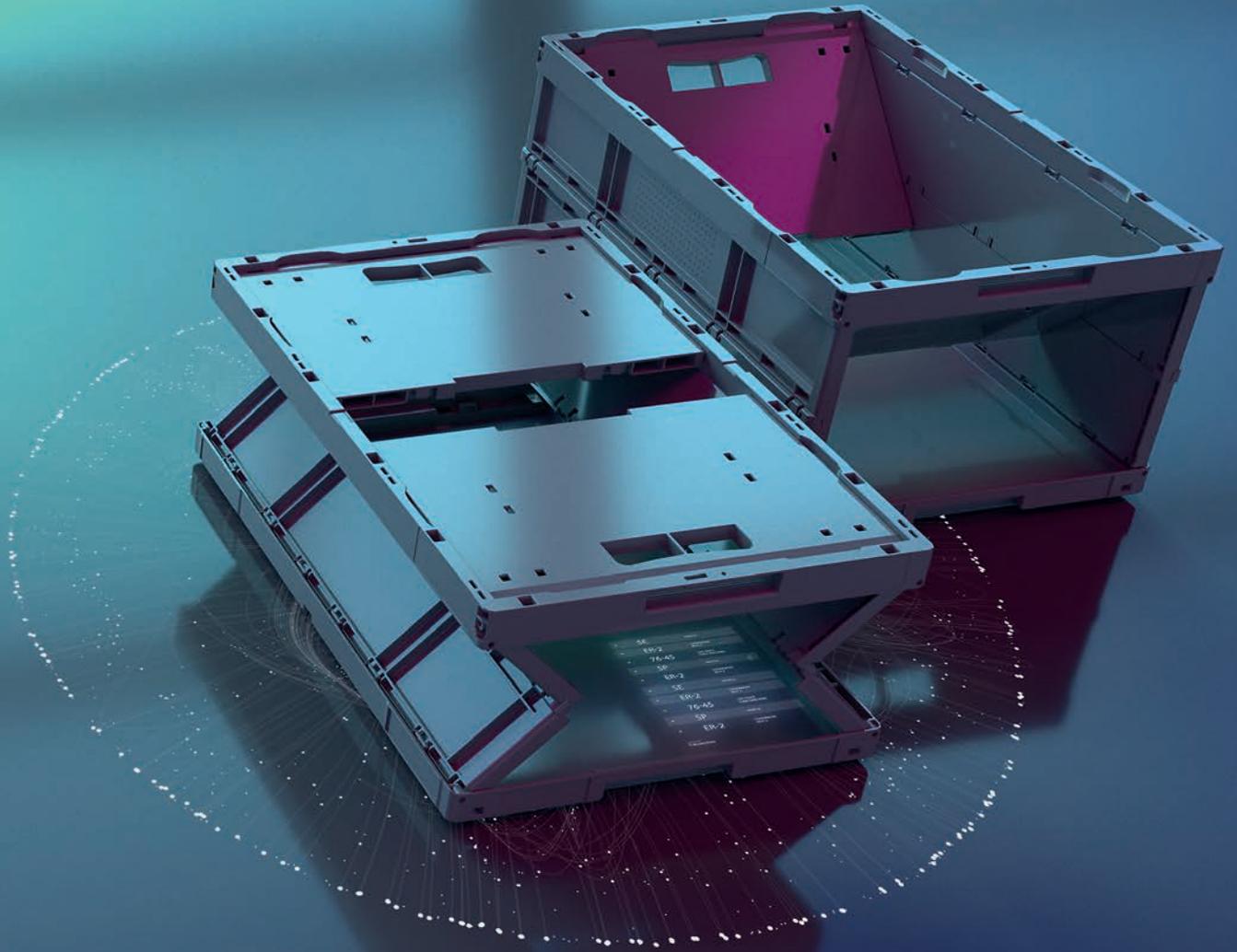
Harmoniously integrated shell handles on all container sides.



### *Loose lid*

The lightweight lid protects the contents from dust and splash water.





# Foldable boxes

## *Space saving*

When supplying branches, empty containers often have to be returned and stored. As empty foldable boxes can be reduced by up to 25 % of their original size, a maximum of four times as many empty collapsible containers can be stored on the same floor space than would be possible with rigid containers. This enables the transport costs to be reduced accordingly.



## Folding box variants

### *The unser-friendly boxes*

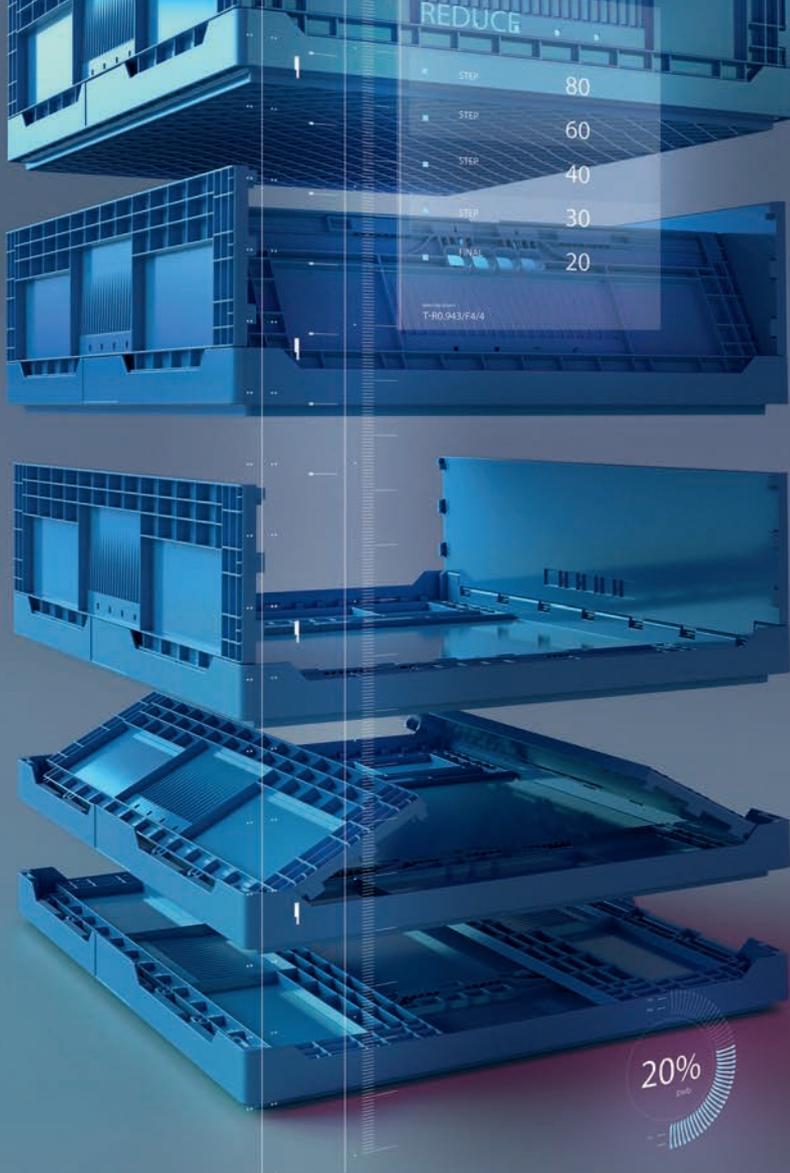
Utz foldable containers are available in various heights. The containers are stackable in their unfolded as well as in their folded condition. Available with hinged lids at various sides as required, and also with or without locking of the sidewalls.



### *Folding system*

On an erected foldable box the short sides are folded up and the long sides are folded, which thereby reduces the height of the foldable box to the height of the upper frame together with the base.





# Collapsible boxes

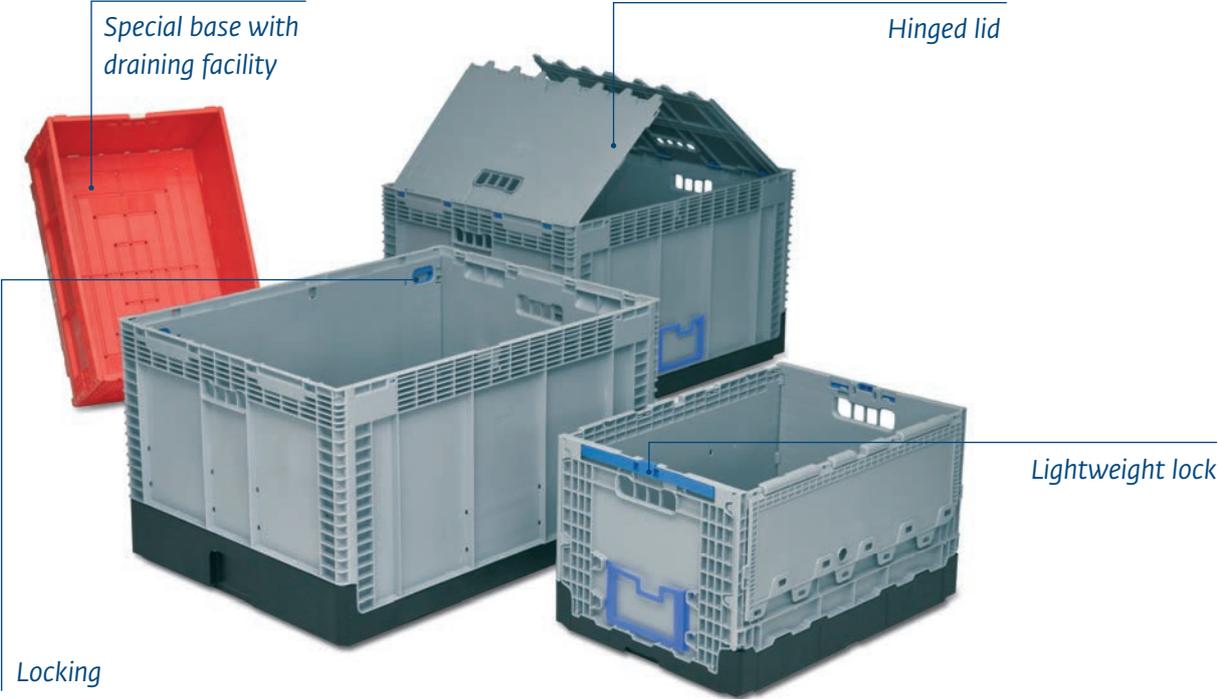
## *Space saving made easy*

Empty folding crates can be reduced to up to 20 % of their original size. Therefore, these space-saving containers are especially suitable for transport operations involving empty folding crates which must be taken back after previous deliveries.

A maximum of five times as many empty collapsible boxes can be stored on the same floor space than would be possible with rigid containers. This allows the transport costs to be reduced accordingly.



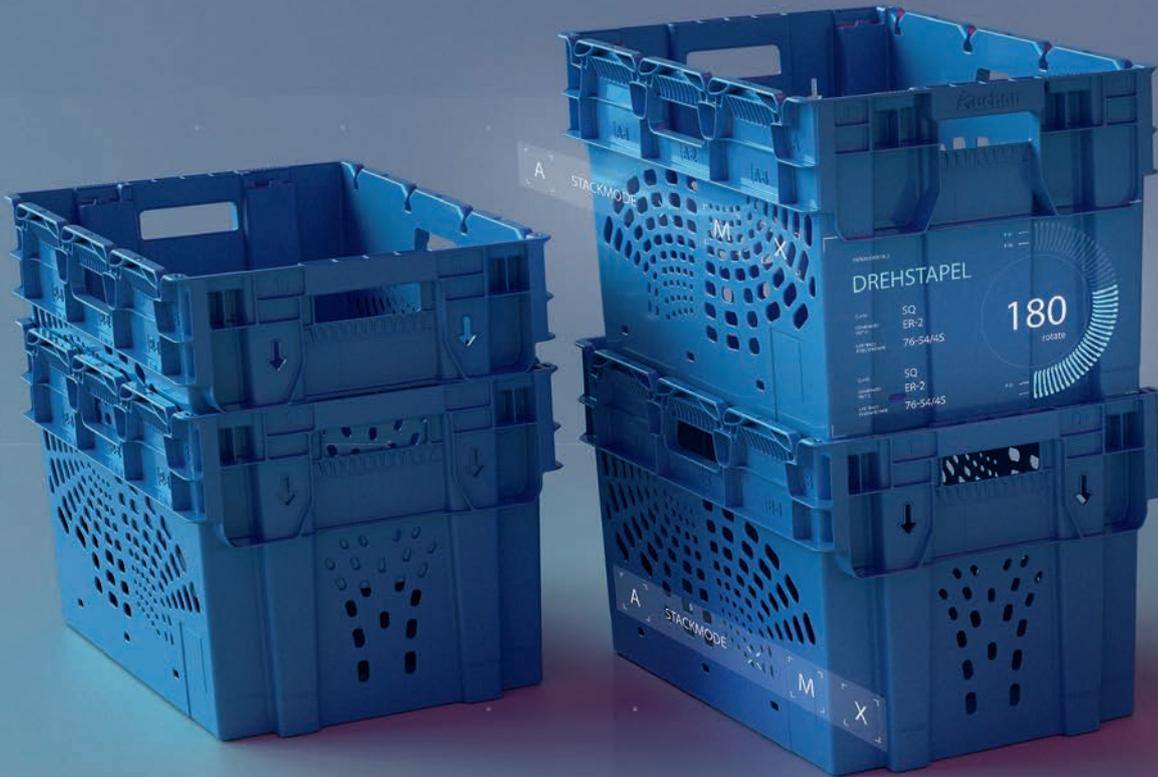
Container variants



Collapsing system

By opening the spring-closures, the side walls can be collapsed together.





# Nestable containers

## *The art of reducing*

Nestable containers are stacked using either the lid or on pull-out bail arms. When empty, they can be nested, this allows a significant reduction in volume.

## *Each turn a profit*

Stack/nest containers are stackable containers that are nested when empty, thus allowing a significant reduction in volume. Containers for alternate stacking are stackable in one position due to their design. Turning the upper container around 180 degrees means that two boxes can be nested into one another.





## *Nesting system*

Two containers are stacked on top of each other on plastic bail arms. In order to make sure the containers are nestable, the bail arms are folded back. Afterwards, the containers can be nested into each other.

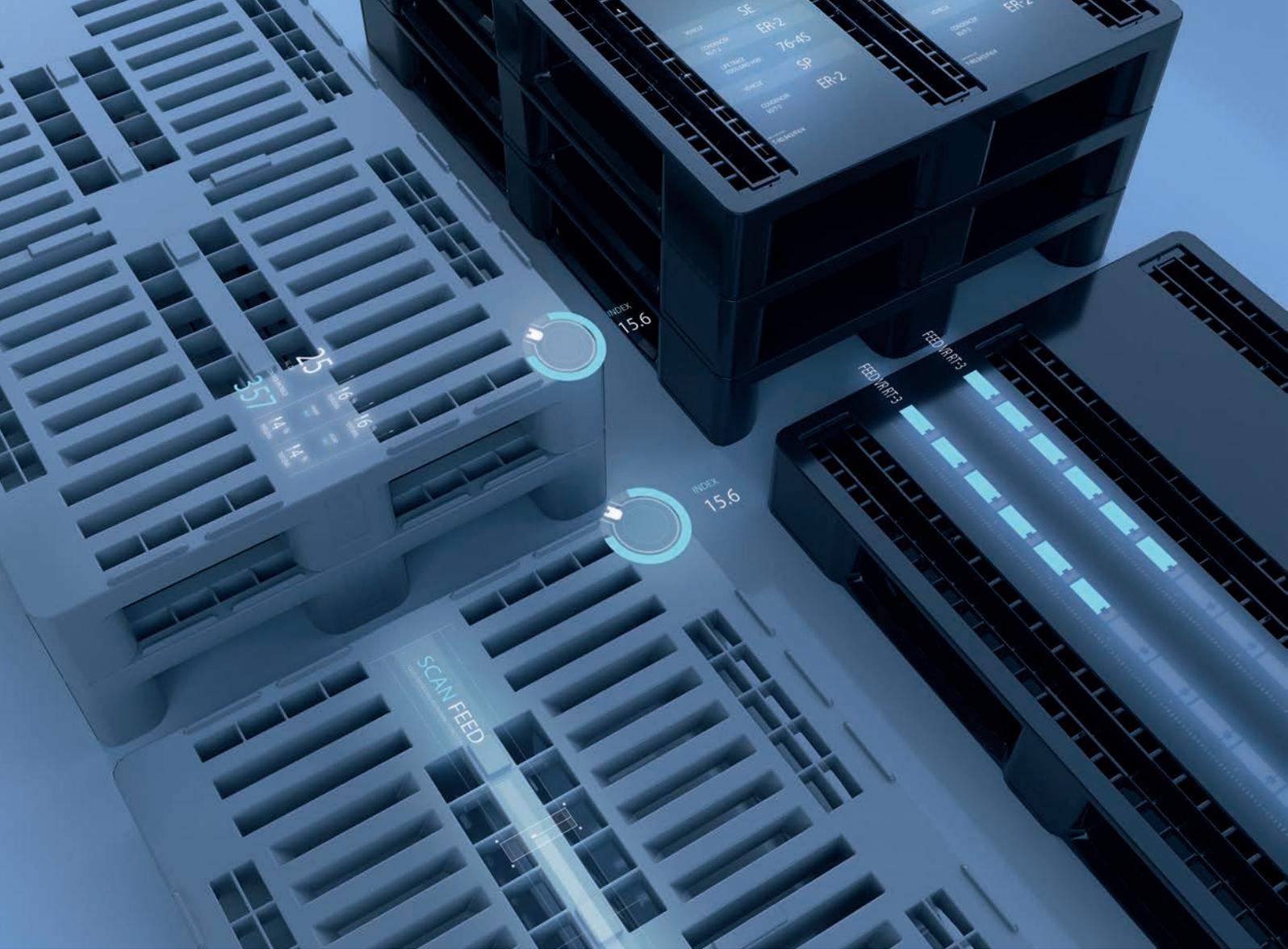
## *Stack/nest system*

The containers are stackable in this position



After a rotation of 180° the containers can nest within one another.





# Pallets

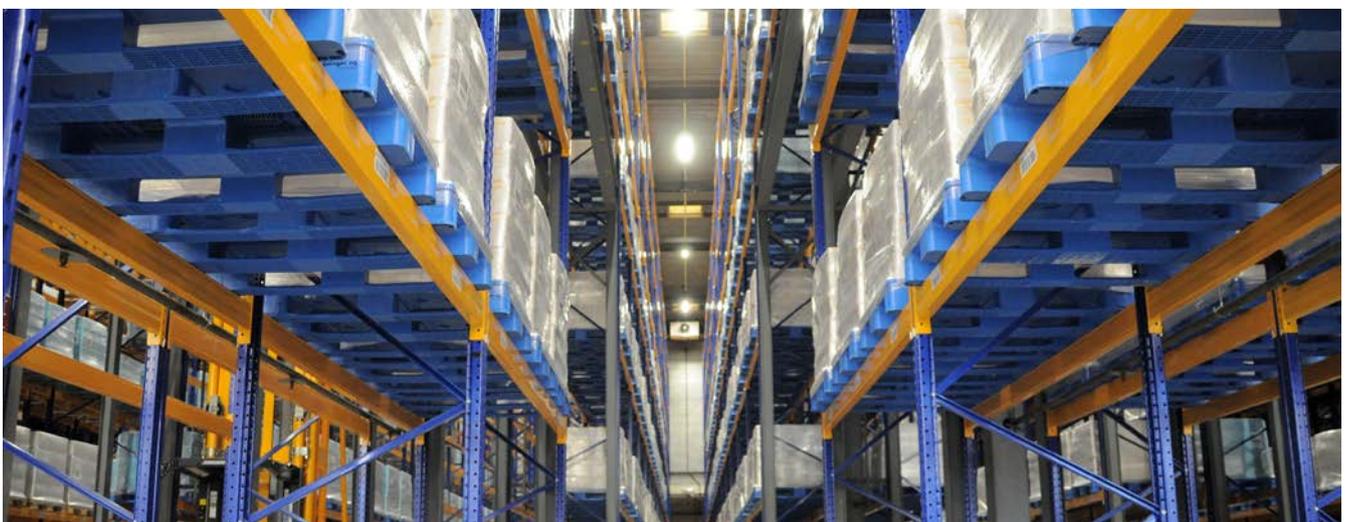
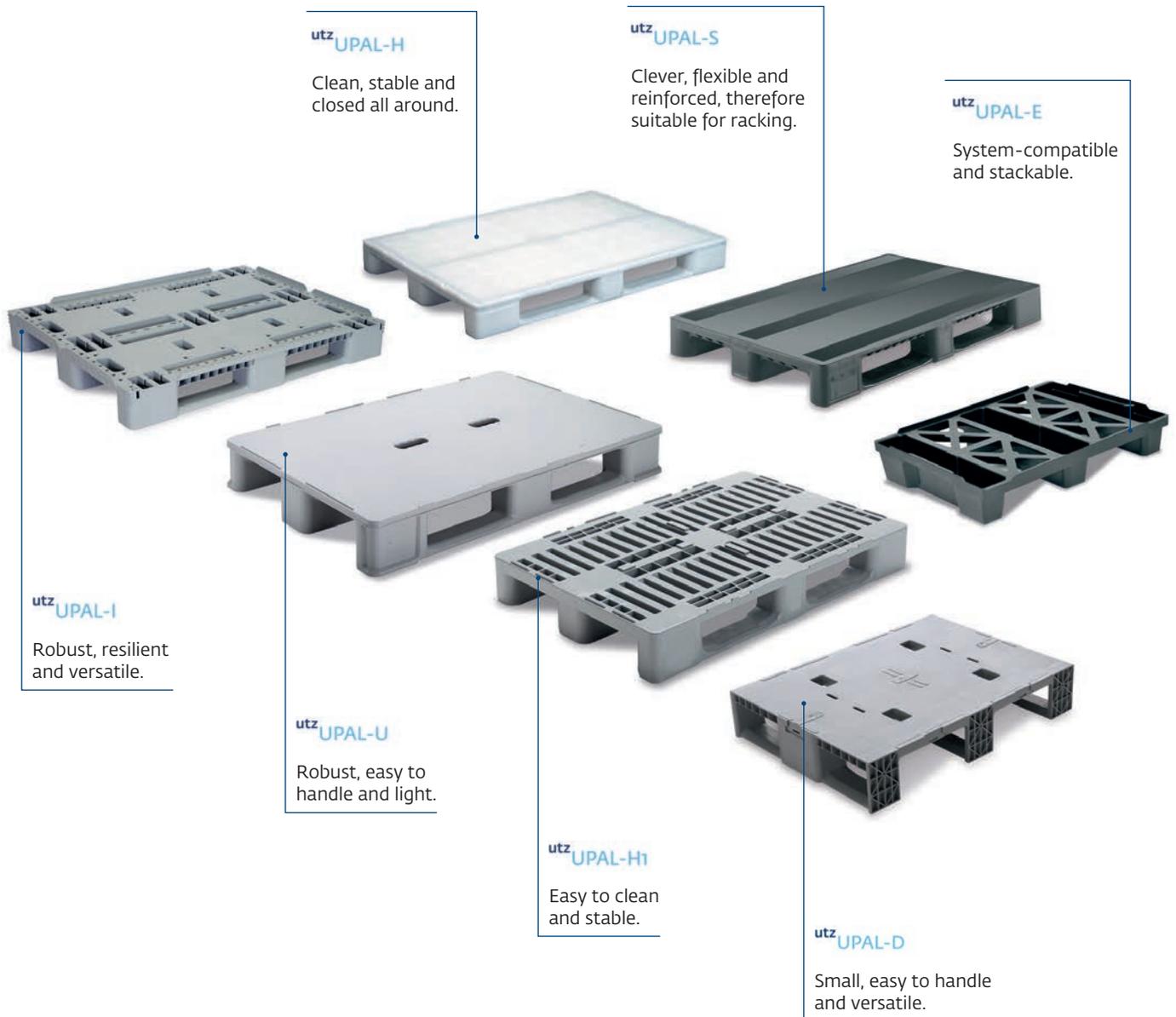
## *Plastic or wood?*

Plastic pallets are not an economical alternative to wooden pallets. Plastic pallets, however, have key advantages: they have a constant weight, are robust and durable, have a longer life than wooden pallets and, with metal reinforcing, are particularly sturdy and suitable for use in high-rack warehousing.

If desired, plastic pallets can be produced in a version which is electrically conductive or equipped with a non-slip top deck. Fully enclosed pallets are easy to clean and are particularly suitable for the food, hygiene and clean room sectors. Utz pallets (UPAL) are available as Euro, ISO or half pallets.



## A comprehensive pallet program



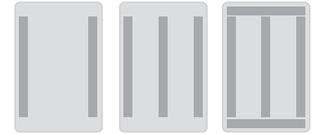
## UPAL-H

*Clean, sturdy and completely enclosed*

The UPAL-H is completely enclosed, therefore it is easy to clean and is often used in the food, hygiene and clean room sectors.

### Metal reinforcement

Inlaid metal tubes inserted in the pallets increase stability. The UPAL-H is therefore suitable for high rack warehousing.



### Internal ribbing

Internal ribbing provides the UPAL-H with additional stability.



### Lower surface

Completely closed lower surfaces and runners.



*The true hygienic pallet comes from Utz!*

### Test arrangement

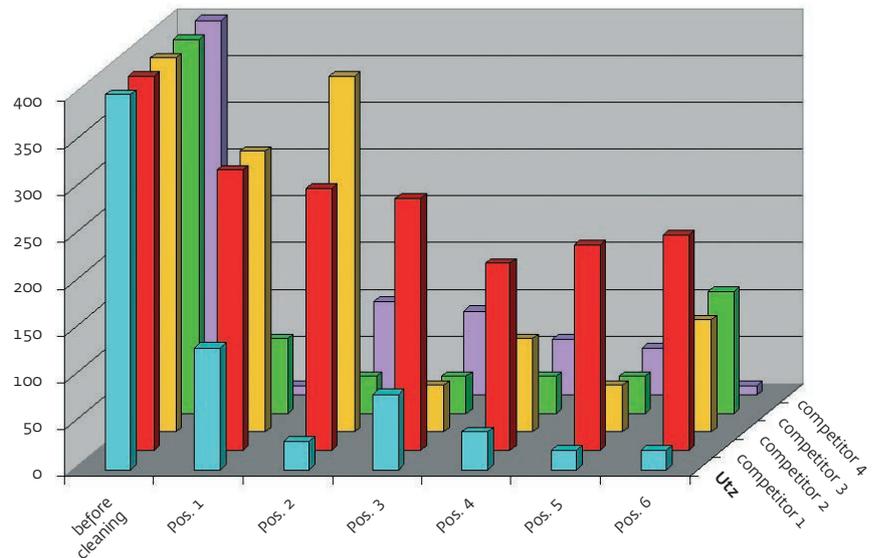
Microbiological investigations were carried out:

- before cleaning
- after cleaning (Pos. 1 - 6)



**“The cleaning results show that the Utz hygiene pallet shows a better result in comparison with competitive products. This confirms the claim that the Utz UPAL-H is the recommended product for use in sensitive zones in the food-tuffs area”.**

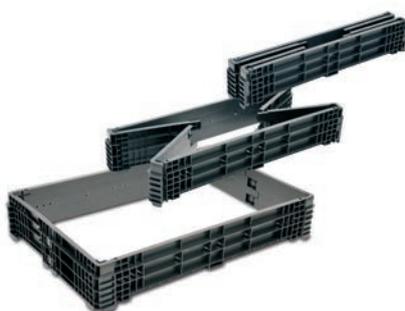
University of Applied Sciences  
Wädenswil/Switzerland  
(The analysis of the test results  
is with Georg Utz AG.)





### *Pallets with a special design*

At the request of the customer, pallets in special sizes and with individual upper deck versions can also be produced.



### *Stacking frame for plastic and wooden pallets*

1200 x 800 mm stacking frame to fit all Utz plastic pallets and wooden Euro-pallets.



### *Transport units*

Defined pallet transport units, several containers and a matching cover simplify high-quality transport of goods.



### *Utz pallets load safety*

Things can often slip on the smooth upper deck of a pallet. However, there is an anti-slip coating for our pallets:



### *Elastomeric coating*

The elastomeric coating on the top deck of the pallet consists of a 2-component polyurethane coating. Therefore, a rubber-like glossy surface with excellent non-slip properties is created.

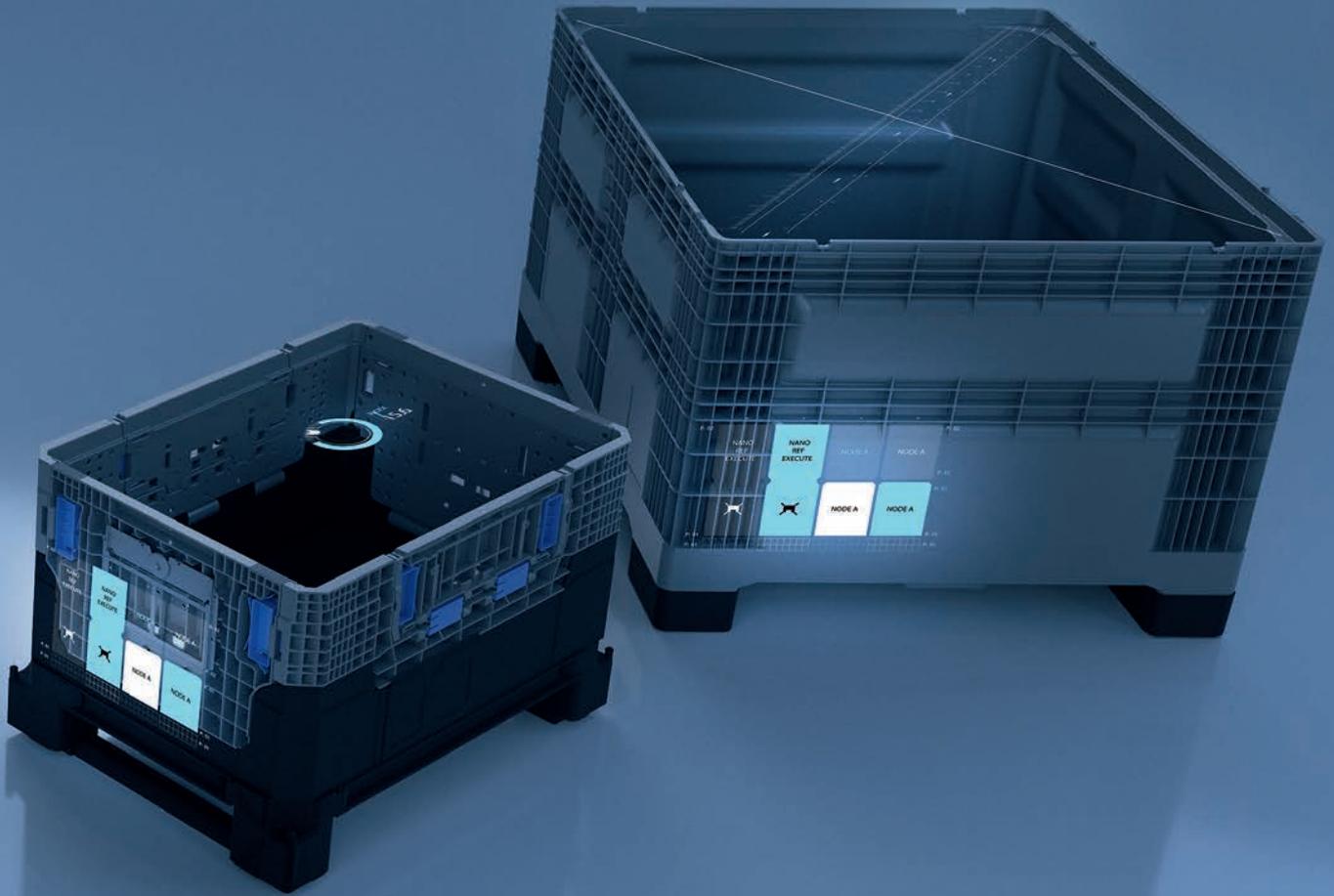
### *Elastomer-coated strips*

In this case, the elastomer coating is not applied over the entire surface, but distributed on two strips. An anti-slip effect is only possible, however, when the load is in contact with the elastomer strips.

### *Grip paint or silica sand*

Grip paint and silica sand result in a fine, grainy texture on the top deck of the pallet. Therefore, the pallet maintains particularly good anti-slip properties.





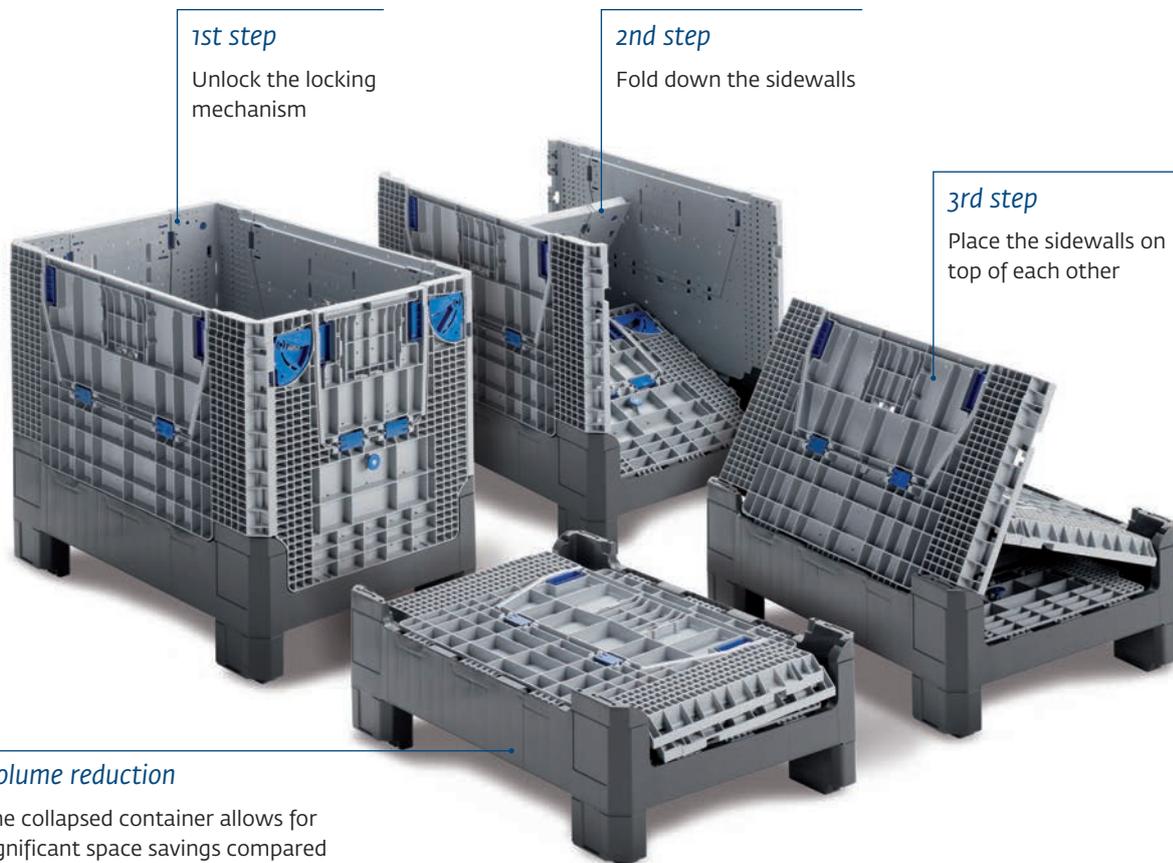
# Pallet boxes

## *For volume-saving empty running*

The KLAPA is a collapsible large-capacity container (FLC) with a pallet base. By laying the sidewalls of the empty container on top of one another, its volume can be significantly reduced.



## Collapsing system



### Volume reduction

The collapsed container allows for significant space savings compared to the erected KLAPA.

### Variable sidewalls

The standard version of this KLAPA has four sidewall openings: one on each long side and one on each short side. On request, the KLAPA can also be ordered with openings on all four sides.

### Space saving

Since all side walls can be folded over it is possible to save up to 70 % when transporting the empty containers. By way of comparison: seven folded containers occupy the same space as three stacked KLAPA containers.



## KLAPA Special

### *For especially robust handling in practice*

If KLAPA boxes are moved with a forklift, as often happens in practice, it can cause damage to the sidewalls. With the steel U-profiles in the lower edge of the KLAPA Special, the box can be moved without being damaged.



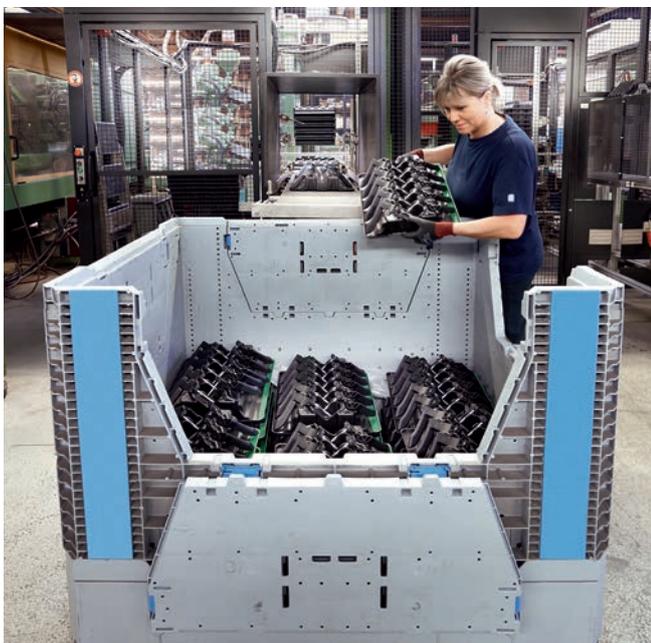
### *Stacking lid*

KLAPA stacking lids are designed in such a way that the boxes can be stacked securely on the lids.



### *Base reinforcement*

Metal rails can be inserted into pre-fabricated recesses – on request or retroactively – in the base of the KLAPA Special. As a result, the load-bearing capacity of the base is increased.



### *Special sizes*

The KLAPA Special can be produced in different basic sizes by sawing and rewelding.



## PALOXE

### Large-volume boxes with pallet base

The PALOXE is a pallet box with the basic dimensions of 1200 x 800 mm and 1200 x 1000 mm. Unlike the KLAPA, the sidewalls are rigid and cannot be collapsed. However, three PALOXE pallet boxes of the type shown can be nested in one another to save space.

### Hygiene

The PALOXE meets high standards of hygiene. This is why they are also used in the food industry.



*Ball drainage valve*  
can be inserted into the  
drainage hole

*Handle cover*  
to protect against the  
penetration of water

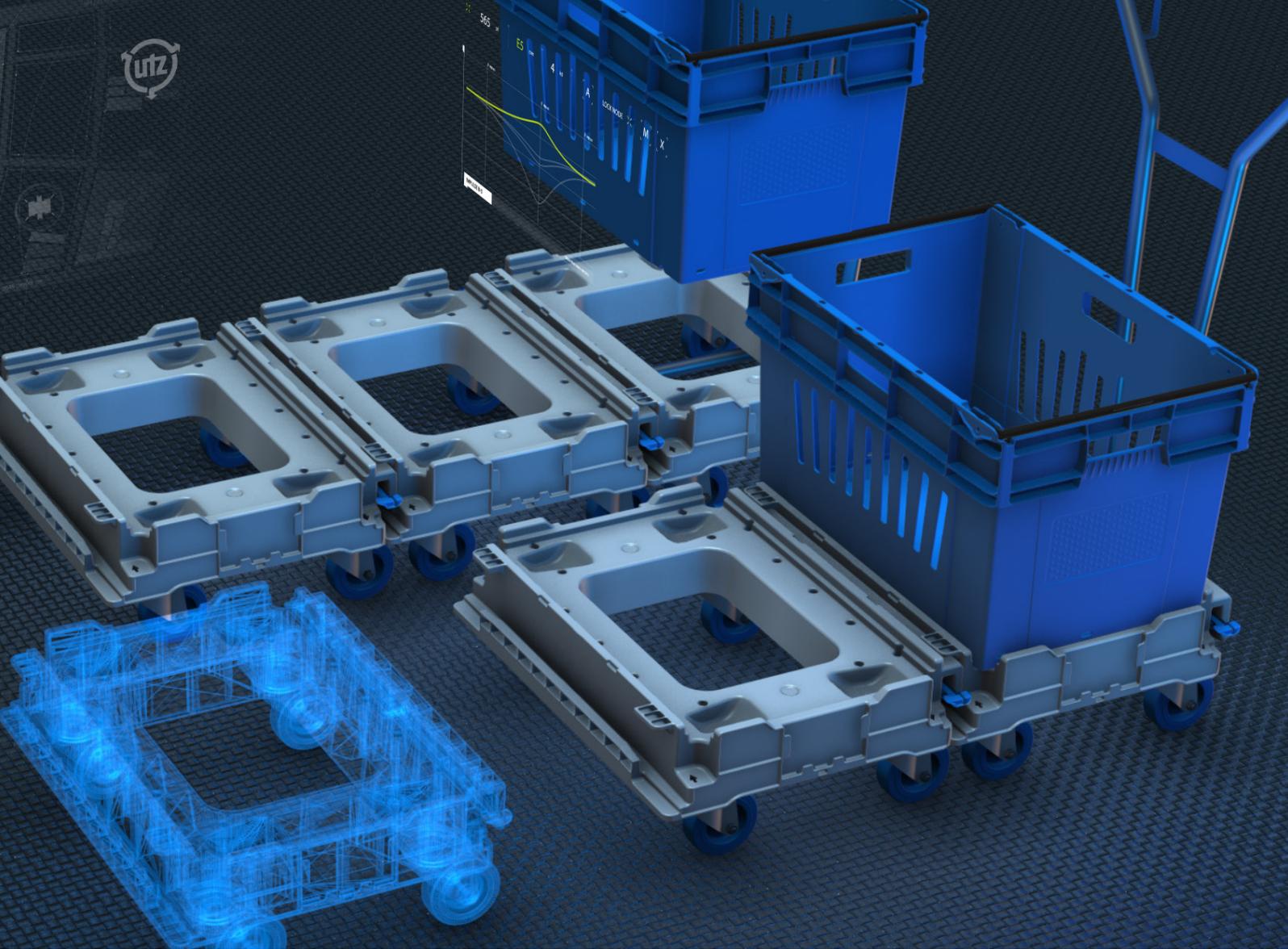


*Threaded plug*  
for closing the drainage hole

### Enormous expansion of space

A double PALOXE is created by firmly welding a complete PALOXE and a PALOXE without substructure together.





# Dollies

## *Simply moving*

Often, heavily laden plastic containers have to be transported manually within a company due to internal operational procedures. On our load-bearing transport dollies, loads of several hundred kilos can be transported quickly and easily.



## Stacking variations

Depending on the model, the dollies can be safely stacked on top of each other.



### Stacking over the frame

These dollies can be stacked on top of each other after a 90° rotation.



### Stapelung über die Rollen

After turning the dolly by 180°, the casters can be fixed into the recesses in the upper deck.

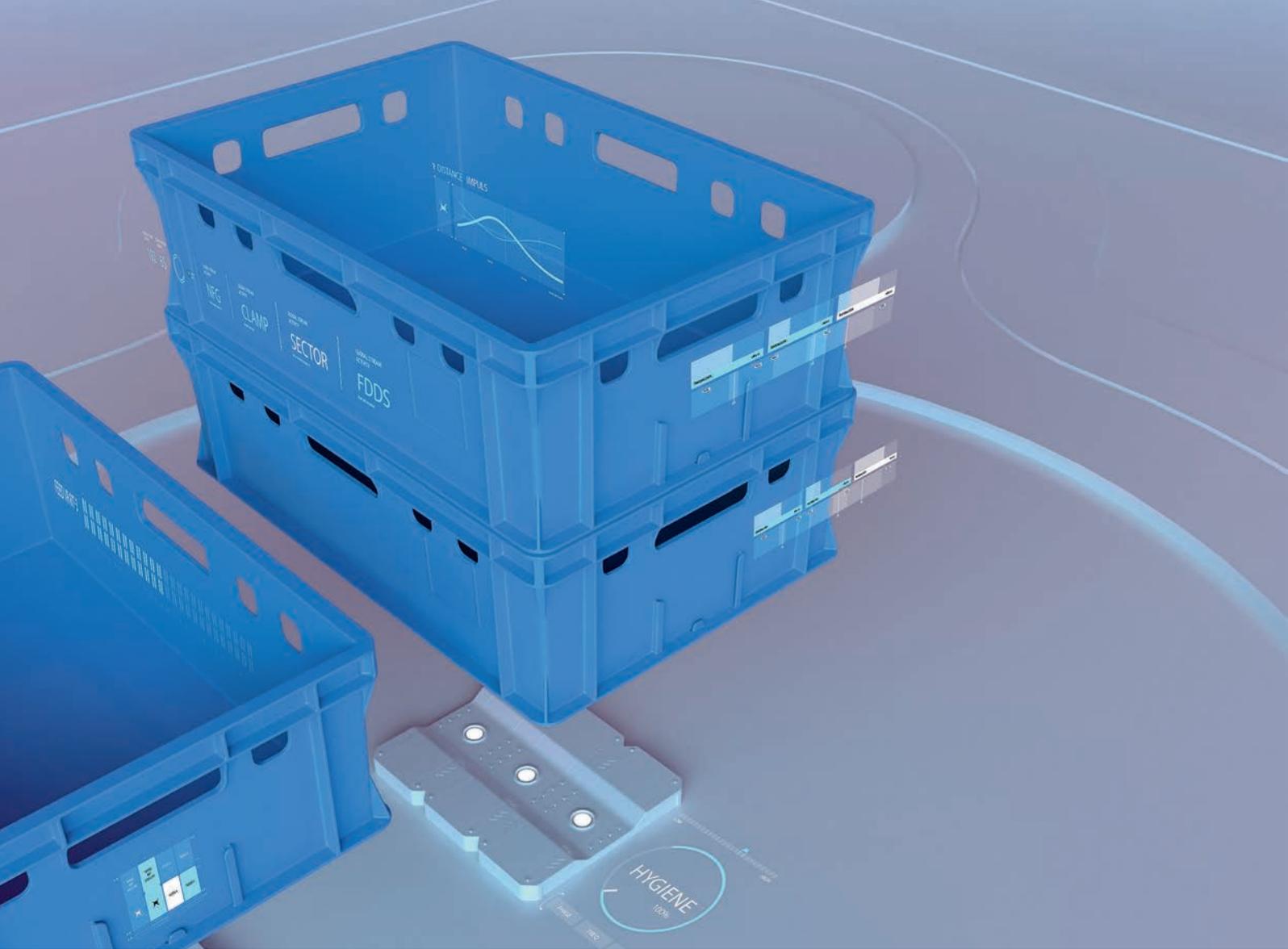


utz **DOLLYFIX**

### Cleverly connected

You can find out more about DOLLYFIX on page 59.





# Food industry and catering

## *What to do with meat, fruit, vegetables and other foods?*

We have the solution! Sturdy reusable containers and pallets made of plastic, hygienic and versatile, suitable for all stages: from picking or production, through storage and transport to the sales presentation at the POS.

The use of reusable storage and transport containers means that there is no waste from cardboard boxes or wooden crates. This is a sustainable way of protecting the environment.



## Practically good enough to eat

### Crate

The robust, weatherproof crate for fruit and vegetables can be safely stacked.

### Insulating boxes

They enable the cold chain to be maintained in combination with cooling elements.

### „GLAS MANAGER“

These are provided as an insert in the RAKO container for safe transport and storage packaging for all types of drinking glasses. Thanks to a patented grid, they can be individually adapted to the height of the glass. For washing glasses, the filled „GLAS MANAGER“ can be placed directly into the dishwasher.



### Stack/nest containers

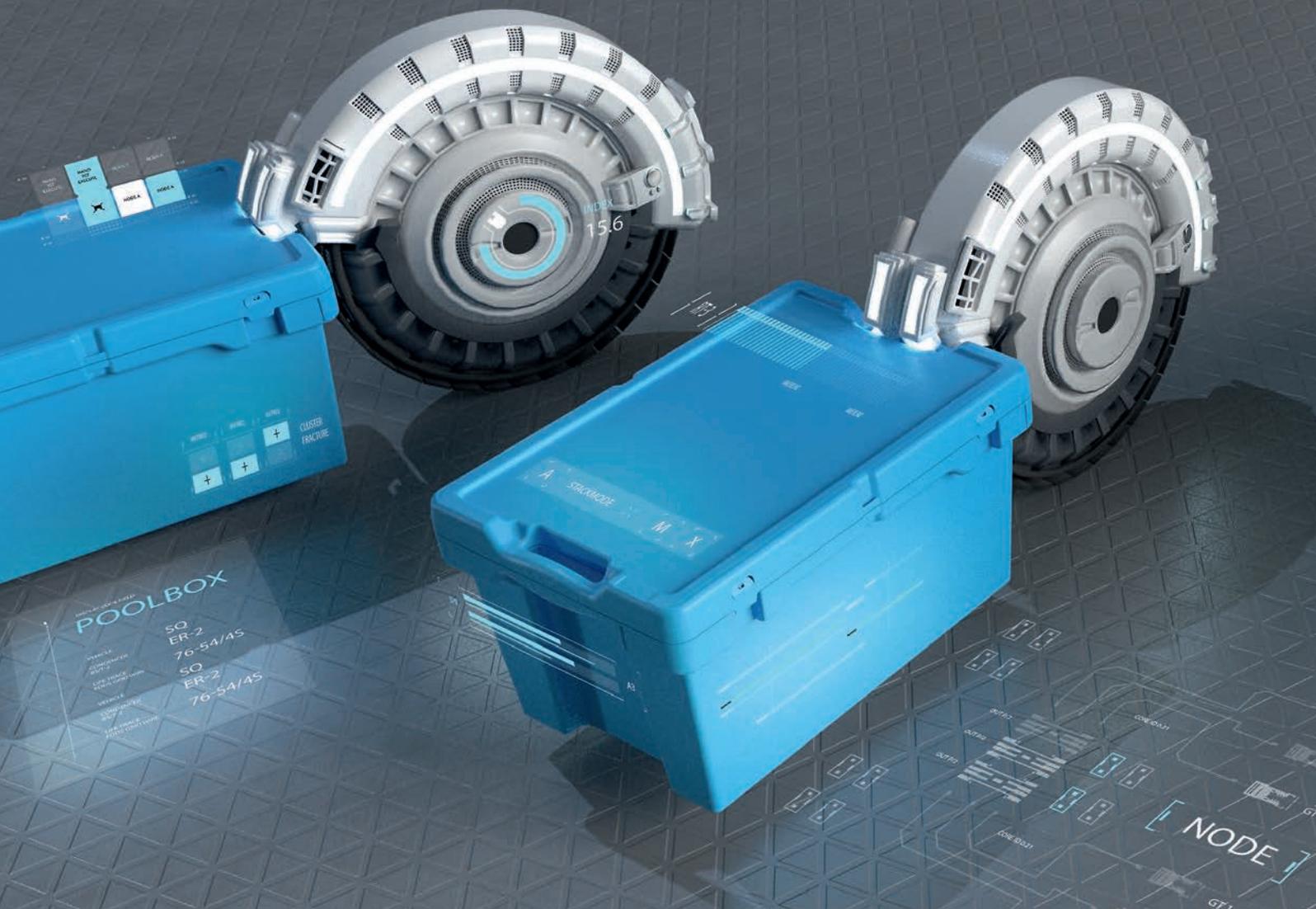
Empty containers use up valuable room, whether in the warehouse or on the lorry. Stack/nest containers solve this problem: empty, they can be nested into one another in a small space – so you save 80 % volume.

### E Performance meat container

Four inmould labels with container identification and GS1 code permit the container's unique identity. The light blue colour guarantees that only new material is used for the production of these containers.

### GASTRO-NORM trays

In these plastic containers with lid, food can be immersed in a water bath and therefore heated and kept warm.



# Shipping and special containers

## *Do you have e-commerce in your sights?*

The ordered goods are delivered directly to the customers' home or he picks up the pre-picked purchases directly at the ramp. For this purpose, robust reusable plastic containers are necessary. They can be nested to save space for the return transport. Utz already has some solutions.



## utz POOLBOX

### *The reusable package*

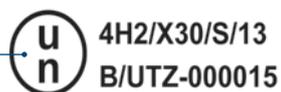
Shipping containers such as the POOLBOX were developed in collaboration with the Swiss Post Office and have revolutionised parcel shipment. During development, the focus was on economic and ecological aspects. Thanks to secure snap locks, no tying or gluing is necessary.



## UN-approved containers

### *Reaching your destination safely*

Utz is a manufacturer of a large number of packagings that, after extensive testing and examinations by the authorities, are approved for the storage and transportation of hazardous goods. Our range of services: Utz completes the licensing formalities.



### *Approval marking and coding*

- UN** Symbol denoting packing pursuant to Rn. 3510(1)/GGVS
- 4H2** Packing code number, in this case: solid plastic container
- X** Packing group I ( includes groups II and III)
- 30** Maximum gross weight (depends on container size)
- S** Packing for solid goods
- 13** Production year
- B** Abbreviation of country granting approval
- UTZ** Manufacturer's abbreviation
- 000015** Registration number



*A clever concept...*

Nestable containers for home shopping, can be nested when empty and stacked using fold-out bail arms.



*Subdivisions using paper bags*

Up to three paper bags can be hung into the notches in the upper edge.

## Homeshopping with ingenious container solutions

### *Plastic containers for order picking and transport*

The central element in order picking in the warehouse and during transport to the customer or back to the warehouse is a container optimally adapted to the logistics concept. Although every company involved in home shopping is looking for an individually tailored solution, nestable containers are used in many cases. These tapered plastic boxes are nested inside each other when empty, so that up to 70 % space savings are possible when returning the containers.



## Homeshopping with DOLLYFIX

### *Flexibly combinable transport system*

Several orders are processed simultaneously so that different online orders can be picked more effectively. Employees walk through the warehouse with several different „shopping slips“ and pick the same food into different plastic containers. So that these containers do not have to be carried through the warehouse by hand during the „shopping tour“, they are placed on a DOLLYFIX, so there is one dolly per order. The empties for the individual orders are on the first DOLLYFIX, which is equipped with a hanger for easier handling. In order to remain flexible, the individual DOLLYFIX can be connected to each other via a rail and theoretically combined as desired.

Once the online orders have been picked, the entire train with all boxes can be pushed to the dispatch point within the warehouse.





# Electrically conductive products

## *Protection leads the way*

Electronic components should be transported or stored in containers or on pallets made of electrically conductive plastic so that they are protected against electrostatic discharge.

Our ESD storage and transport system prevents possible electrostatic discharge. In addition, the sturdy plastic containers protect the contents from the mechanical damage, contamination and the effects of moisture.



## *A diversity unrivalled anywhere*

Utz offers the entire container system in electrically conductive material:

- Stacking containers RAKO and EUROTEC
- Cases and removable boxes
- Vacuum formed component holders
- Pallets UPAL-D, UPAL-S, UPAL-I
- Dollies



## *Products made of static dissipative material*

All products in electrically conductive material can also be manufactured in static dissipative material.



	<b>Conductive</b>	<b>Static dissipative</b>
Surface resistance of the material	< 1 x 10 <sup>4</sup> Ohm	> 1 x 10 <sup>4</sup> Ohm to < 1 x 10 <sup>11</sup> Ohm
Applications according to standards EN / IEC 61340-5-3	For protection against electrostatic discharge. For external containers which have no direct contact with the sensitive components.	For discharge of existing charges. For external containers which come into direct contact with the sensitive component.

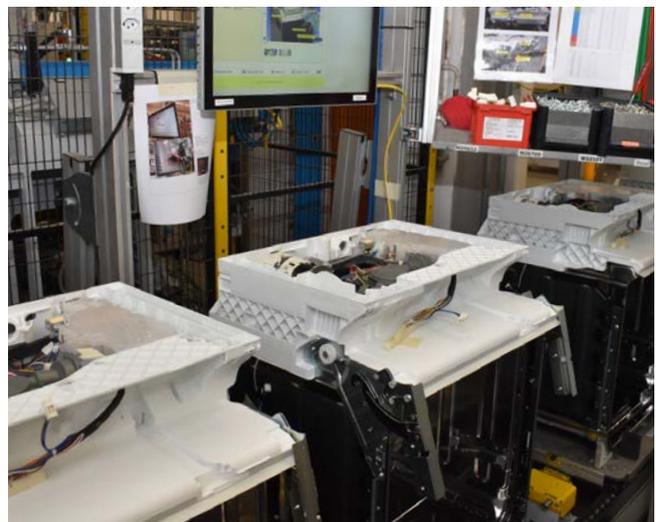


# Technical plastic parts

## *An essential part of the whole*

Technical plastic parts are plastic elements which are installed or used within a technical mechanism. These can be visible parts such as housing covers or complicated mounting bases, baskets for shopping trolleys or the cladding for the porthole of a washing machine.

There are simply structured technical plastic parts and those with complicated structures. What they all have in common is that they fit seamlessly into the overall technical apparatus.





### Cover

Dimensions: 545 x 503 mm  
Material: PS

### Module assembly rear panel

This visible part inside the refrigerator was assembled from different materials.  
Materials: PS (extruded sheet) and EPS (foam part)



### Bottom part

Dimensions: 545 x 503 mm  
Material: PC-ABS FR (Vo)



### Shopping trolley with child seat

This type of trolley is manufactured in various sizes.  
Volume: 75 - 240 litres  
Material: PP, PA 6, PA 6 GF

### Mounting base

Large assembly base in three parts for a new textile care system based on photocatalysis and steam technology.  
Dimensions: 706 x 517 x 430 mm  
Weight: 7.8 kg  
Material: PP TV 30





Utz Product Overview

