

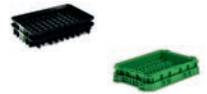
**18**  
**Individual**  
**customer solutions**



Individual  
customer  
solutions

**26**  
**Component holders**

26 Vacuum formed component holders  
38 Injection moulded component holders



Component  
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**44**  
**Stacking containers**

44 RAKO / Cases



RAKO / Cases

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EUROTEC

98 Small load carriers VDA / GALIA



Small load  
carriers VDA

**112**  
**Space-saving**  
**containers**

112 Foldable boxes  
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130 Nestable boxes  
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Space-saving  
containers

**148**  
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Pallets

**170**  
**Pallet boxes**

172 KLAPA  
182 PALOXE



Pallet boxes

**186**  
**Dollies**



Dollies

**194**  
**Products for**  
**food industry**  
**and catering**

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200 Stacking containers SGL  
205 Stacking containers ECO  
206 Stacking containers STANDARD  
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214 „Glas Manager“ / Dividers



Products for  
food industry  
and catering

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234 Trays  
237 Cylindrical containers  
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Specialised  
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Conductive  
products ESD

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**plastic parts**



Technical  
plastic parts

**264**  
**General Accessories**

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Accessories

**280**  
**General information**

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General  
information

# Welcome to Utz.



*Board of Directors of the Georg Utz Holding AG*

## *From Georg Utz to the Utz Group*



*Company founder  
Georg Utz*

1915 - 1988

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 usability 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.



*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 you are in the world as you read these lines: There are Utz employees who can quickly be in contact with you, to advise you about the latest solutions in the Materials Handling field.

Or would you like to pay us a visit immediately on the Internet?

At [www.utzgroup.com](http://www.utzgroup.com) we can provide up to date information on products, technical matters, attendance at exhibitions and everything you would like to know about the Utz Group.

We look forward to receiving your enquiries at [info.ch@utzgroup.com](mailto:info.ch@utzgroup.com) or your visit to an exhibition.



*Axel Ritzberger*  
CEO Georg Utz Holding AG, Switzerland



*Rainer Grether*

*What can you expect from us in Switzerland?*

Approximately 200 employees who will provide you with optimum assistance in finding solutions!

Based on our high quality standard solutions, we develop sophisticated system solutions – in cooperation with you.

We have state-of-the-art technology for developments, in our in-house tool manufacture and in the production departments for injection moulding and thermoforming which allows us to respond to your wishes with highest flexibility for your highest benefit.

Our quality management system which was certified in 1987 for the first time and is now certified according to ISO 9001:2008 forms the basis of the further development to EFQM. UN certifications, approvals for food or certificates on fire protection are impossible without this system.

Do you have any further questions or wishes? Do not hesitate to contact the Utz team which is close to you and always ready to provide you with expert advice on site.



*Rainer Grether*  
Managing Director Georg Utz AG, Switzerland

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- Utz agents



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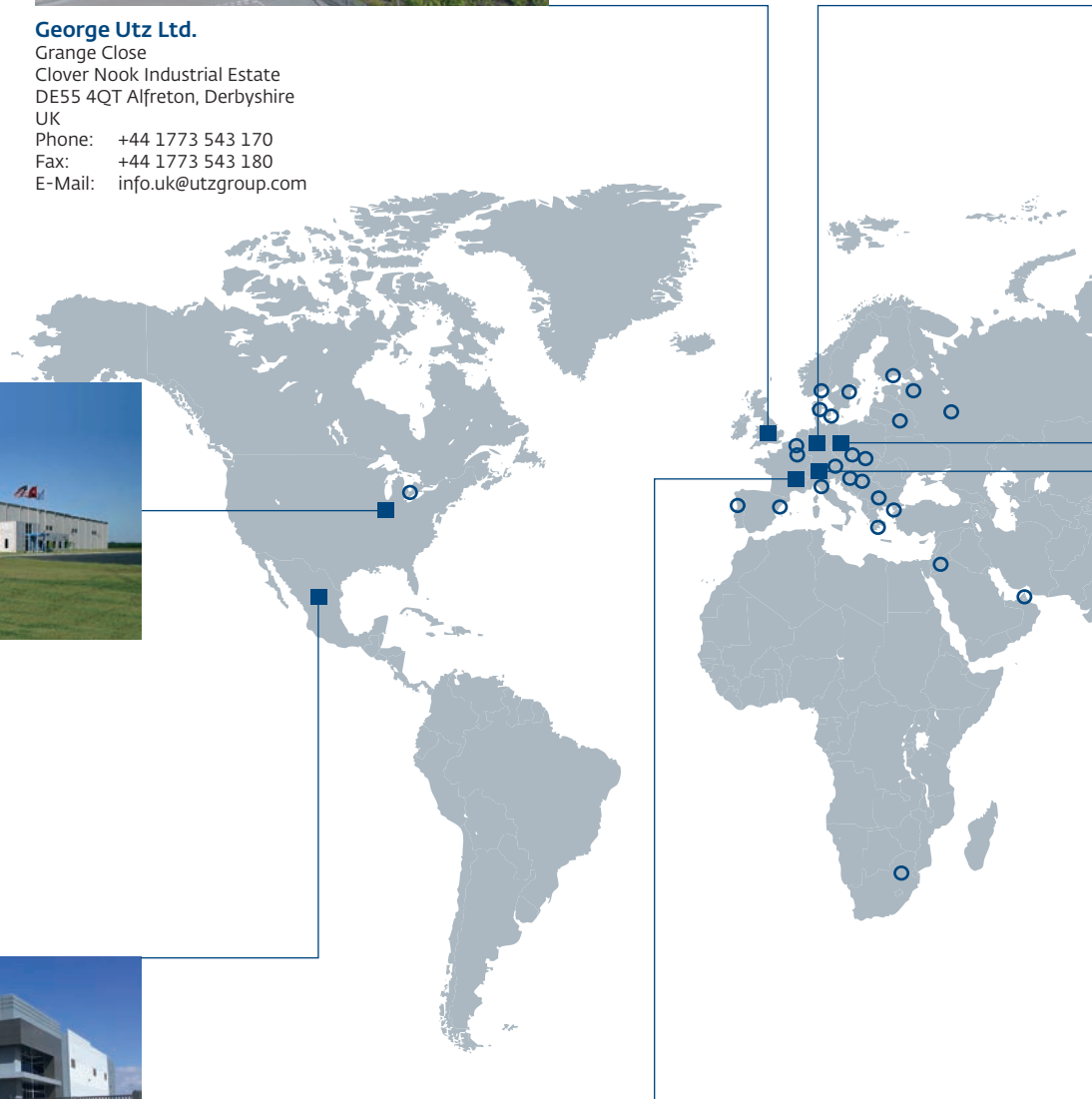
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## *Production facilities in:*

Switzerland  
 Germany  
 Poland  
 United Kingdom  
 France  
 USA  
 China  
 Mexico

## *World-wide agents in:*

Australia  
 Austria  
 Belgium  
 Bulgaria  
 Czech Republic  
 Denmark  
 Finland  
 Greece  
 Hong Kong  
 Hungary  
 India  
 Italy  
 Jordan  
 Netherlands  
 New Zealand  
 Norway  
 Philippines  
 Portugal  
 Romania  
 Russia  
 Singapore  
 Slovakia  
 Slovenia  
 South Africa  
 Spain  
 Sweden  
 Thailand  
 Turkey  
 United Arab Emirates

and on the internet:  
[www.utzgroup.com](http://www.utzgroup.com)

## 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 200 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.



### *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.



### *Customer-specific solutions*

Individual system solutions beyond the standard are our speciality. Some of these special solutions have even won international packaging prizes.





### *Modern Technologies*

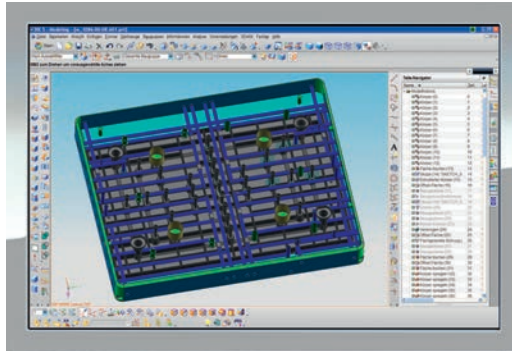
Modern, state-of-the-art machinery allows for efficient production with consideration to all customer specifications.



### *Environment and Recycling*

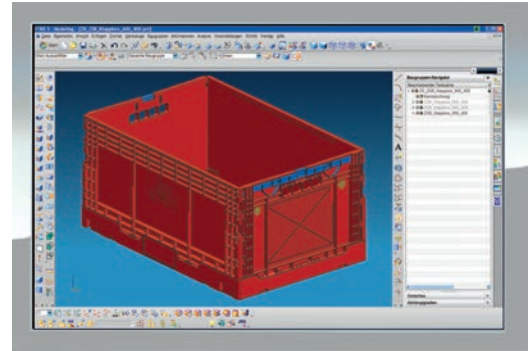
Utz manufactures recyclable products. This alone is an enormous contribution to environmental protection. Discarded load carriers are recycled in our company's own material processing centre and are then returned into the production cycle.

# 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.



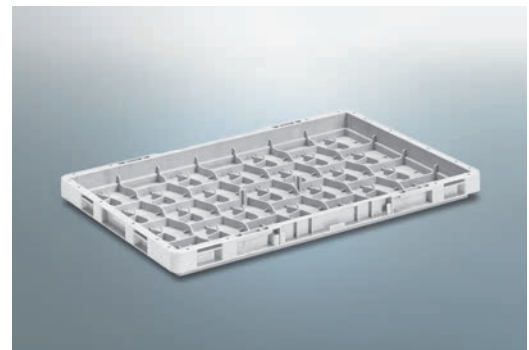
## *3D display*

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



## *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 production*

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



## *Tool constructions*

We have our own tool-making facilities so that we can fall back on our own experts in as many intermediate stages as possible.



## *Serial production*

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





*Quality Management according  
to ISO 9001:2008*

The Utz Quality Management System spans across the entire group of companies. This enables the consistent quality of Utz products in line with customer requirements.



# The production processes – 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.



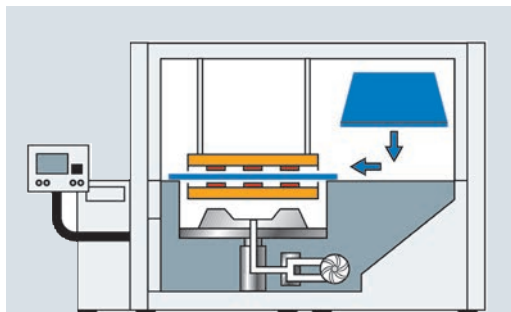
## *The raw material*

Workpiece carriers are formed from plastic plates, which are stacked in a special appliance, lifted by suction pads and then individually fed into the thermoforming machine for further processing.



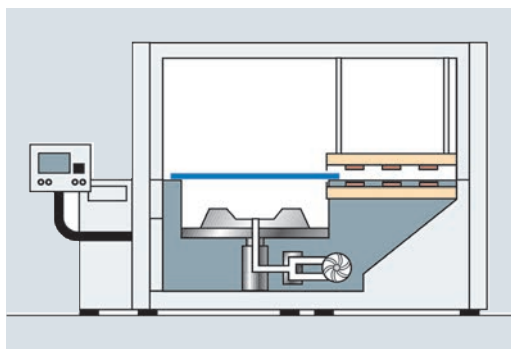
## The tool

To manufacture thermoformed workpiece carriers, a plastic plate is heated and pulled across a tool through the production of a vacuum. The plastic plate is clamped between the tool and a heating device.



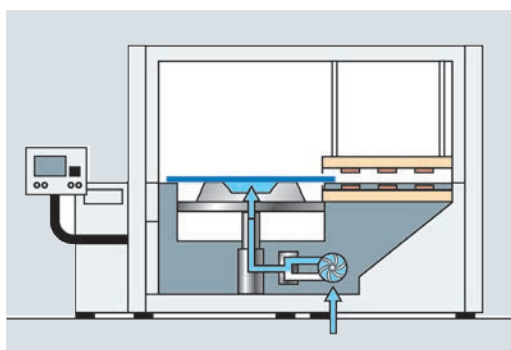
## Heating process

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.



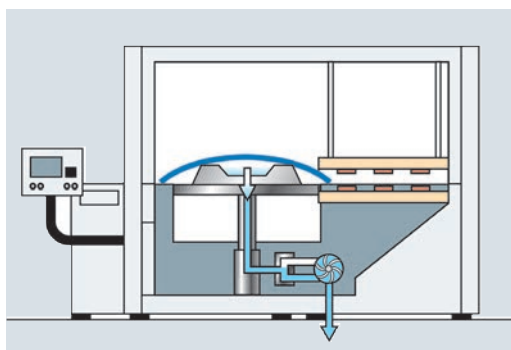
## Start of the formation

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



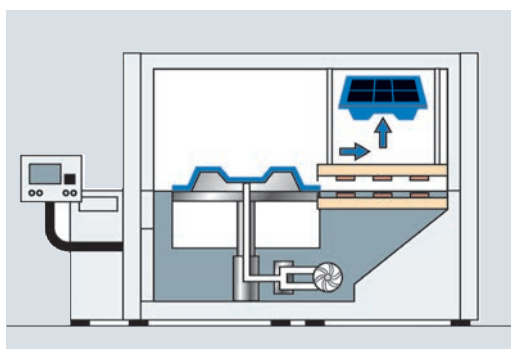
## Formation: Creating excess pressure

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



## 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).



## Finished!

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



# The production processes – Injection-moulding

## *Injection-moulding*

Plastic storage and transport containers or pallets are usually injection-moulded. With regard to costs and material, this process is more complex than the thermoforming process, as it requires massive tools and partly very large machinery.

## *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.



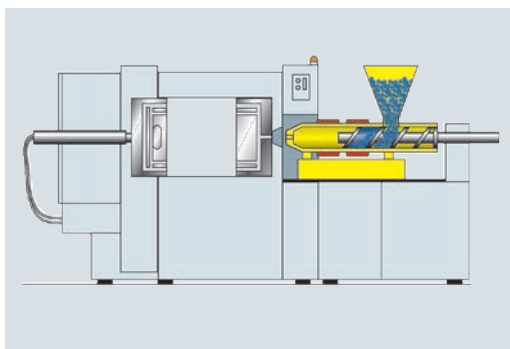
## *The tool*

The manufacture of a steel injection-moulding tool, able to accept impressive dimensions depending on the size of the container, is far more complex than the manufacture of an aluminium thermoforming tool.



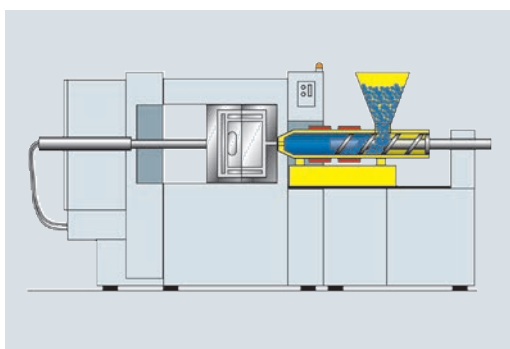
## *Production*

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.



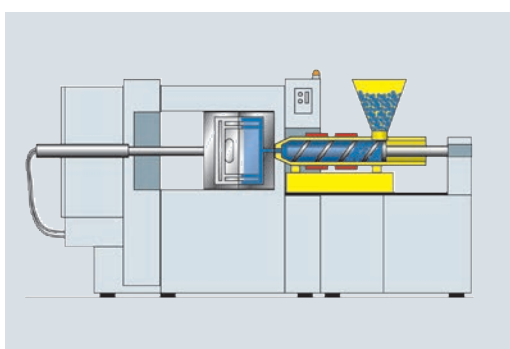
## Preparing the injection process

The tool is open and granulate is available.



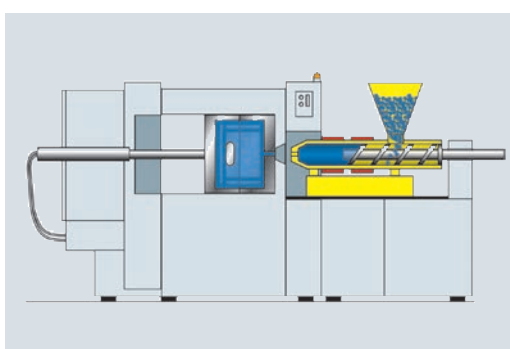
## The injection process begins

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



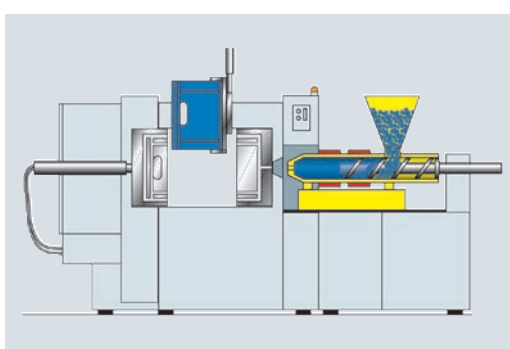
## The injection process

The granulate is heated and, in the form of a viscous plastic mass, is injected through a nozzle into the cavities of the closed tool.



## The injection process is completed

Once the cavities are fully injected, material feed is discontinued and the container is allowed to cool.



## Finished!

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



# Recycling and UIC®

## *Recycling and Utz Industrial Compound UIC®*

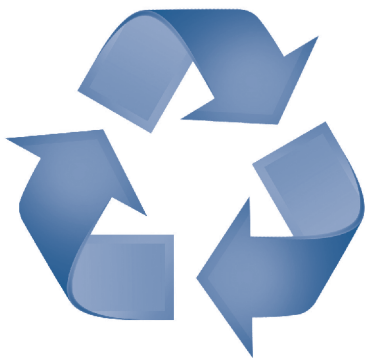
Utz produces hundreds of thousands of new plastic boxes every year. Where do the load carriers of the previous year end up when there is such a continuous high demand? The positive answer is ... in continuous use!

But what if the plastic containers or pallets do have to be discarded? Utz takes these load carriers back! The containers are collected and stored in groups of identical material in the Utz Recycling Centre, then moved to a company-owned compounder, in which the granulate is processed for reuse.

In its physical properties, the processed and prepared material is comparable to new material. Standard material properties are tested and documented, so that the former plastic container can be further processed following this „revitalising treatment“.

This Utz specific alternative to the continuous production of new material from finite resources is therefore logically offered as **Utz Industrial Compound (UIC®)**.

UIC® is a raw plastics material with documented properties and in the usual Utz quality.





## Service for everything concerning containers

Our assignment is rarely finished with the production of a component holder or container.

## Marking and Labeling

- Hot stamping
- Pad printing
- Barcode attachment
- Transponder attachment



## Inmould Labelling

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



## Assembly

- Label holders
- Handles
- Threads
- Locks
- Belts
- Foams



## Further processing

- Sawing
- Punching
- Drilling
- Milling
- Riveting
- Gluing
- Coating



## Welding

- Ultrasonic welding
- Vibration welding
- Mirror welding



Utz is certified according to ISO 9001:2008.