

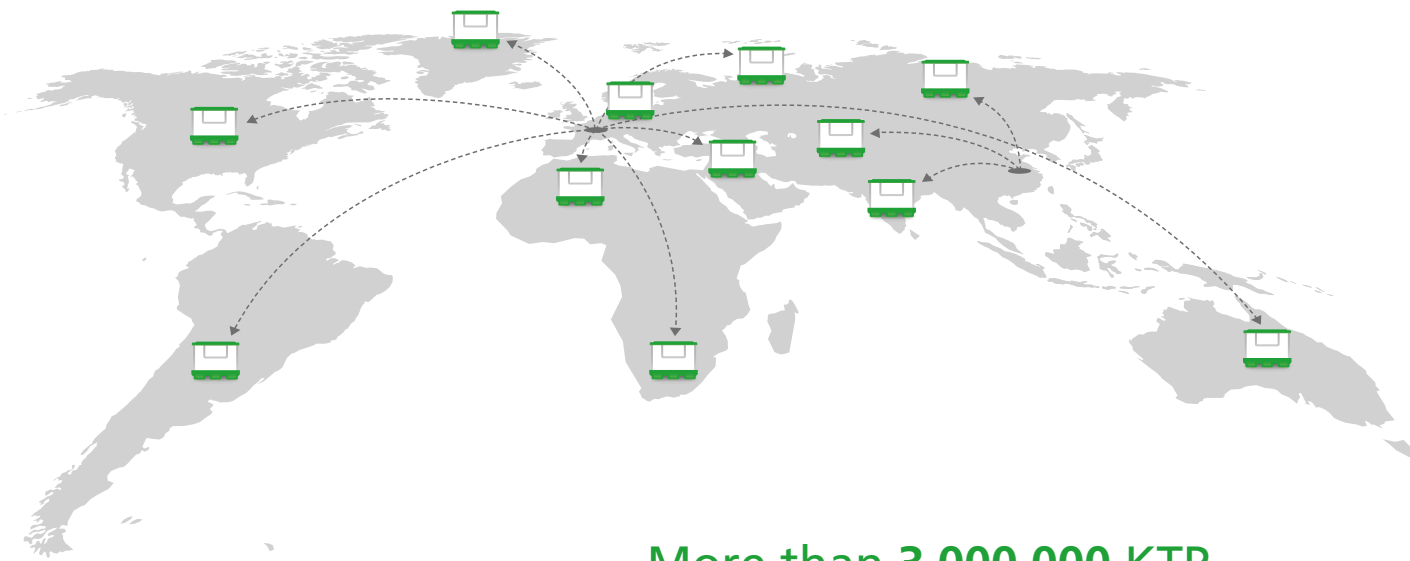


**+ PACKAGING.
TRANSPORTATION.
STORAGE.**

KTP[®] 
Packaging Solutions

FROM PRACTICE – FOR PRACTICE

SUCCESSFUL FOR MORE THAN 30 YEARS.



More than **3,000,000** KTP containers in circulation in over **100** countries.*

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* Status December 2022

Our vision – returnable plastic packaging that makes everyday routine better.

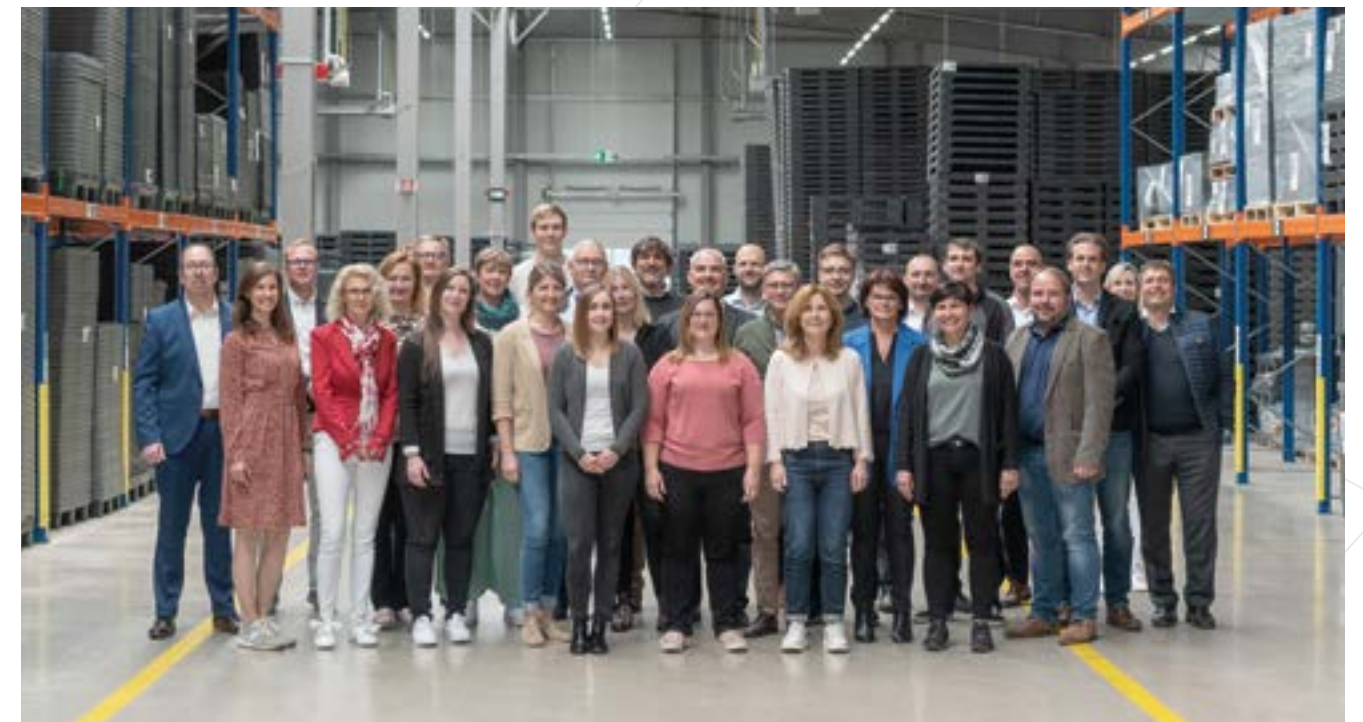
We already recognised the potential and necessity of recycling three decades ago. Huge quantities of disposable packaging waste and the lack of adequate packaging alternatives brought an idea to our mind: **Plastic recycling** as the basis for developing a clever packaging system. Apart from the "green" thought, the focus was placed on transport and **process optimisation** as well as on easy and **ergonomic handling**.

This idea brought forward a **foldable** container system, which is in demand all over the world and is now a standard part of logistics. Today, our family-run company is one of the leading manufacturers of plastic storage & transport containers. We are known for our customer proximity, innovative ideas and the **highest quality and safety standards**. **Sustainability and environmental awareness** are still firmly anchored in our corporate philosophy.



Driven by our vision of efficient and sustainable logistics, we develop our products "from practice, for practice".

KTP management



Employees of the KTP family.

FROM CONCEPT TO PRODUCT

QUALITY MADE IN GERMANY.

Well-conceived from start to finish – More than just a box.

We implement our **high quality and safety standards** resolutely from the initial idea through to the finished packaging solution. We have deliberately decided to produce all of our products exclusively at our headquarters in the region Saarland, Germany. Development, production and final inspection are carried out in one place.

Over the years, we have added an **in-house toolmaking department** and our **own material preparation system**. This allows us to react to market requirements quickly and flexibly, while ensuring the highest possible quality at all times.

We do not only develop containers, but also packaging solutions characterised by their functionality, quality and durability. **Our products optimise processes** and guarantee industrial safety. From the moment we start developing, we bear the people in mind who will be working with our containers.

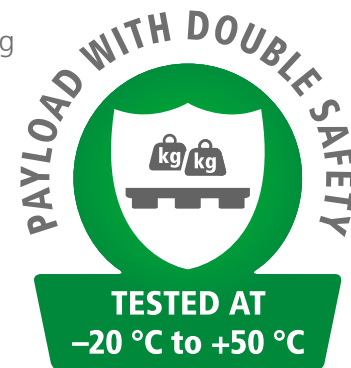
Excellent customer service is important to us.

Therefore, our "all-round carefree package" always comprises professional consultation, product training sessions and a repair service. Together we will always find the right solution for you.

Quality and safety – without compromise.

Our process and product quality standards are extremely high. In order to increase transparency for our customers we have been ISO 9001 certified since 2008. This standard forms the basis for our in-house quality management. All of our products undergo **strict test and inspection procedures** before they enter into the market.

We test the stacking load with up to two times the safety factor under extreme temperatures – this ensures that the outdoor use of our containers does not present a problem.



Craftsmanship, expertise and precision technology characterise our production process.

THUMBS UP FOR THE ENVIRONMENT

REDUCE – REUSE – RECYCLE.

More sustainability for the benefit of the environment – The green idea and KTP.

The idea of usefully recycling plastic industrial waste started back at the end of the eighties. More than 30 years later, we are still eagerly pursuing our idea of more sustainable logistics.

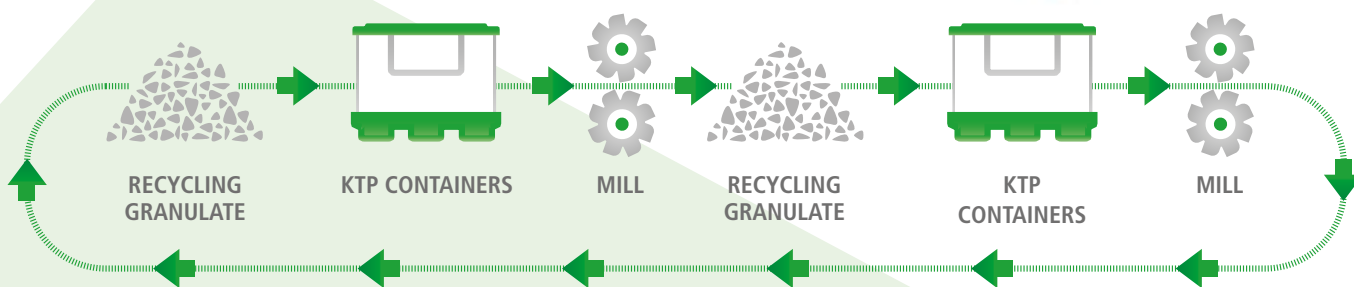
In an age of threatening raw material shortages, recycling is more important than ever. This encourages us to use **high-quality recycling materials** to manufacture our clever transport containers. We at KTP have high quality standards. Our containers not only have a good ecological balance; they also particularly convince by their **high quality and durability**.

Our products are made of high-quality, recycled LDPE and HDPE (Low Density Polyethylene and High Density Polyethylene). The properties of the finished products can be individually adapted to our application requirements by mixing the two polymers. The high level of resistance to acids, lyes and other chemicals is another point in our favour. LDPE and HDPE are both polyolefins. These two raw materials only consist of hydrogen and carbon. This is why the **ecobalance of these raw materials is very good**.

Competence in all fields – The KTP recycling process.

All of our products are **100% recyclable**. Once a container has reached the end of its product lifecycle, there is an option of returning it to us. These returns are then crushed in several steps and prepared for being returned to the production cycle of our containers.

The good ecobalance of our products and the scale effects arising from the transport and process optimisation by using our containers will help you to achieve your Corporate Social Responsibility goals in the logistics area.



The KTP container cycle: After reaching the end of their product life cycle, the containers are submitted to our in-house recycling process, where they are treated and processed into new containers.

THINKING GREEN PAYS OFF

REDUCING COSTS AND PROTECTING THE ENVIRONMENT.

Efficient truck capacity utilisation, less empty journeys, lower level of environmental impact.

The ever-increasing truck traffic on motorways is co-responsible for the high CO₂ and particulate pollution. Our **foldable** storage and transport containers made of **recycled plastic** help to **reduce traffic**.

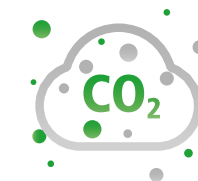
Due to the reduction in volume of our folded containers, we achieve a maximum **return rate** of **1:5** compared to standard containers. This means **80% less return transports of empties** which also means **80% less CO₂** and **80% less particulate matter emissions**.

So not only the environment benefits – your budget does, too!

80%
less return transports



80%
less CO₂ and particulate matter



100%
working together for the benefit of the environment



KTP RETURNABLE PACKAGING

A BOX FULL OF BENEFITS.

Packaging, transportation, storage – these are the main fields of application of KTP transport containers. They are full of innovations and offer many advantages compared to conventional packaging systems. KTP containers protect the transported goods, are durable, safe, foldable, ergonomic in handling and 100% recyclable. **We smarten up logistics!**



DURABILITY

Lightweight – robust – safe

- Returnable plastic packaging
- High circulation rate
- Strict test procedures and quality controls
- High profitability

PROTECTION

Clever packaging – safe arrival

- Protected transport of sensitive goods
- Closed, smooth plastic surface
- Permanent protection against dust, dirt and moisture

VOLUME REDUCTION IN EMPTIES

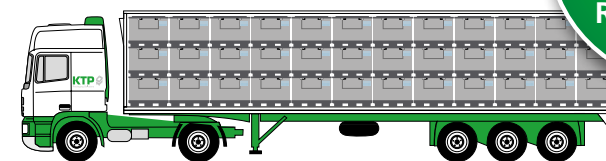
Quickly folded – safely stacked

- The “real” 3-piece sandwich system
- Less storage and transport costs
- Saves up to 80 % of empties journeys
- Optimised standard sizes for ideal capacity utilisation in megatrailers and sea containers
- Warehouse optimisation due to sandwich folding

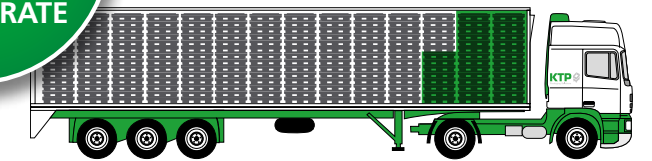
ERGONOMICS AND EASY HANDLING

Fast – efficient – ergonomic

- Fast assembly and dismantling
- No manual locking
- All parts stay together
- Intuitive, user-friendly handling
- Minimizing the risk of injury
- Noise reduction (plastic instead of metal)



KTP System 2000: 1200 x 1000 x 990 mm
In the megatrailer: 78 full containers



KTP System 2000: 1200 x 1000 x 990 mm
In the megatrailer: 364 empty containers

SYSTEM 2000

PACKAGING – THE EASY WAY.

In use worldwide and millions of times over, these containers are ideal for large, lightweight items. System 2000 offers perfect storage and transport solutions with a wide spectrum of use. With this **“real” three-piece container***, the clever **sandwich-type folding system** ensures that a permanent, safe and, above all, **complete packaging unit** remains – both in full containers and empties.



Hang-in lid

The opened lid can be hooked onto the sleeve.

- Saving of space at the place of use
- Extra ergonomics and easy handling

Visual inspection of empties

Control opening in the lid.

- Direct check of the completeness of all elements (sleeve contained in empties)



Scan and watch the application video.



Safe stacking

Slipping is not possible thanks to the perfect match of footprint and lid.

- No tying necessary
- Fast, safe and uncomplicated stacking of the full and empty containers



Secure empty unit

The elevated pallet edge enables the lid to engage in a slip-proof manner.

- Protection of the folded sleeve
- No damage to the containers by slipping
- Safe and stable stacking



Integrated base insert*

Closed pallet deck and load securing

- No loss of base insert, as firmly attached to the sleeve
- Fixation of sleeve with pallet in assembled, loaded condition

*Container with integrated base insert, optionally available for System 2000.

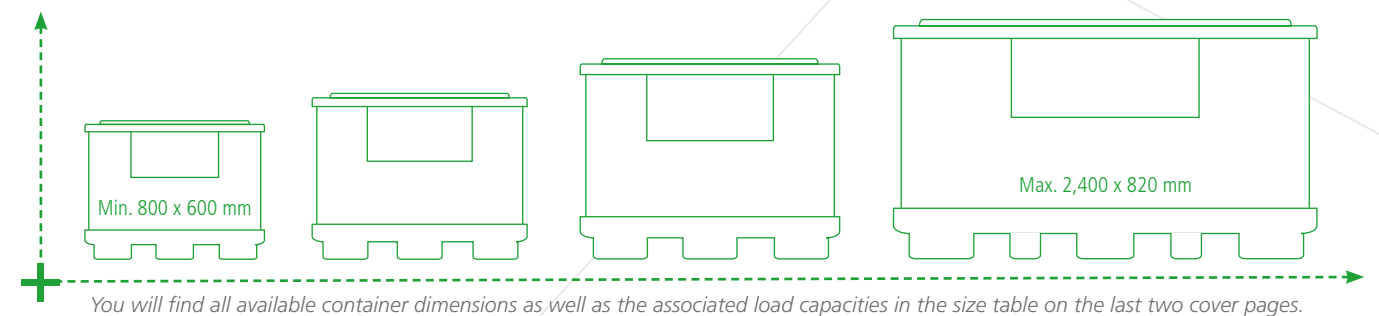
ALL PRODUCT BENEFITS AT A GLANCE.

- Available in various sizes
- Low container weight
- Non-slip sandwich folding

- Safe stacking of full and empty containers
- Intuitive, fast handling
- Ergonomic handling
- Hang-in lid
- Protection against water and dirt
- No manual locking required

CONTAINER OPTIONS WITH REAL ADDED VALUE.

- Variable sleeve height (upon request)
- Additional loading hatch
- Individualisation of the containers
- Integrated* or loose base insert
- Easy attachment of accompanying documents
- Tracking system
- Various loading hatch locking systems
- Detachable side wall / front
- ESD design
- Equipment with skids



System 2000 is available in many size combinations. The sizes of our basic range are tailored to optimum mega-trailer or sea container utilisation capacity. It is therefore ideal for standardisation and/or process optimisation. There are numerous possibilities thanks to variable sleeve heights and more container options.

PACKING WITH GENUINE KNOW-HOW.



SYSTEM QUAD/SUPERQUAD

WIRE MESH REPLACEMENT AND HIGH RACK PROFESSIONAL.

Our Quad system is the ideal **load carrier**. Developed for use in high rack warehouses, Quad containers can also handle heavy packaged goods. The **SuperQuad** is also the perfect **substitute for** the conventional **wire mesh container**. Due to the almost identical inner dimensions, existing base inserts can still be used. In addition, it is also fully compatible and stackable with steel wire mesh containers.



Hang-in lid

The opened lid can be hooked onto the sleeve.

- Saving of space at the place of use
- Extra ergonomics and easy handling

Secure empty unit

Brackets* reliably connect the pallet with the lid.

- Protection of the folded sleeve
- No damage to the containers by slipping
- Safe and stable stacking



Scan and watch the application video.



Robust pallet foot

Firm, one-piece connection of foot and pallet.

- High level of stability – suitable for high rack and roller conveyor



Closed pallet deck

No open top side of pallet, therefore no soiling.

- No base insert required



Automatic locking*

4 brackets* ensure a tip-resistant connection of sleeve and pallet.

- No extra handles necessary
- Engage principle for firm fixation

You will find all available container dimensions as well as the associated load capacities in the size table on the last two cover pages.
* The details marked * are equipment features of the SuperQuad container and do not apply for the entire Quad product family.

ALL PRODUCT BENEFITS AT A GLANCE.

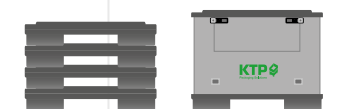
- SuperQuad as wire mesh replacement
 - Extremely stable pallet design
 - High payloads possible
-
- Safe stacking of full and empty containers
 - Intuitive, fast handling
 - Ergonomic handling
 - Hang-in lid as a standard
 - Protection against water and dirt
 - No manual locking required

WIRE MESH REPLACEMENT – KTP SUPERQUAD!

The picture below shows its almost identical measurements to the steel wire mesh container. Therefore, any available inside packaging can continue to be used. The plastic walls and standard lid provide permanent protection against dirt and water. Because it is foldable – thus achieving a substantial volume reduction – this solution has a great benefit over the steel one. **In addition, all container options of the System 2000 are also available for Quad.**



PACKING WITH GENUINE KNOW-HOW.



1:4.3 PROPORTIONALLY STACKABLE



77% VOLUME-REDUCED



PAYLOAD WITH DOUBLE SAFETY
TESTED AT -20 °C to +50 °C

SMARTFIX® VERSION

SYSTEM 2000 AND QUAD AS A QUICK SINGLE-PIECE CONCEPT.

One-piece-unit – Not only the System 2000 but also the System Quad are available in the **SmartFix®** version. Due to this **patented and multiple award-winning container equipment**, a three-piece container turns into a **real single-piece unit**. Pallet, sleeve and lid are firmly fixed. It was never so quick and easy to assembly a container.



Safe guidance

Embedded guide rails simplify handling.

- The lid is neatly guided when opening and closing.



Firm connection

Lid and sleeve form a firmly connected unit.

- No more individual parts
- No more loss of container parts



SuperQuad SmartFix®
1230 x 830 x 980 mm



Fast, efficient, ergonomic – the SmartFix® version as a handling booster.

SMARTFIX® BENEFITS AT A GLANCE.

- Super-fast folding technique
- Firmly connected components
- No loss of individual container parts possible
- Sliding lid
- Extremely simple handling

SMARTFIX® – UNIQUE AND ONE-PIECE.

The SmartFix® function is **unique on the market** and an **in-house development of KTP**. **Four special hinges** connect lid, sleeve and pallet to a firmly fixed one-piece-unit. This ensures maximum ease and speed of handling.

Irrespective of size, this form of container can be assembled or dismantled by one person within only four seconds.



The handling of **KTP SmartFix®** containers is extremely user-friendly. Due to the firm connection of the individual components, the containers can be easily dismantled and assembled by **simple sliding and folding mechanisms**.

FLEXIBLE AND FAST.

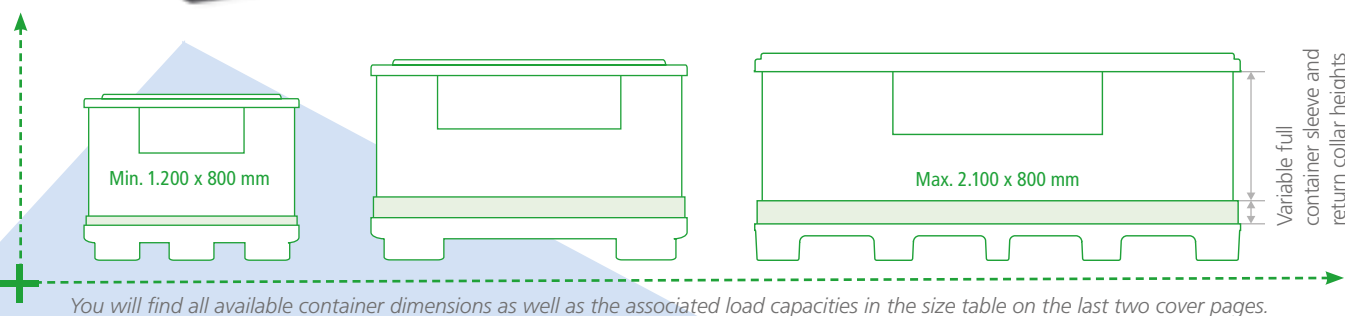
ASSEMBLY/ DISMANTLING IN ONLY FOUR SECONDS!

For container dimensions, please refer to the size table on the last two cover pages.

DUO VERSION

SYSTEM 2000 AND QUAD AS A TWO-SLEEVE CONCEPT.

In the Duo version, the two systems are equipped with an additional sleeve, the **return collar**. This collar is directly connected to the pallet. Therefore, **inside packaging** can be accommodated safely and cleanly in the empty container with a **reduced volume**. All components are transported as one unit.



KTP containers in the Duo version are available in numerous size combinations. **The height of the return collar and full container sleeve is variable** and can be adjusted depending on the type and volume of the inside packaging. Loose packaging (e.g. HKP dividers) as well as packaging that is firmly connected to the container (such as e.g. integrated bags for steering wheels) can be **returned one-to-one**.

DUO CONTAINER BENEFITS AT A GLANCE.

- Ideal for the return of inside packaging
- All parts remain together in the container
- Volume-reduced transport
- Extremely simple handling



Inside packaging loosely inserted

After removing the packaged goods, the compound inlays are simply inserted together with the folded full container sleeve into the Duo return collar. Thanks to the sandwich system folding, everything is safely stowed away in a space-saving manner.

Inside packaging firmly connected to the sleeve

The fabric pockets firmly connected to the sleeve can be conveniently pushed together by means of a rail system. This way, the sleeve can be collapsed in a Z folding method after removing the packaged goods, and can be safely stowed away in a space-saving manner.

INSIDE PACKAGING SOLUTIONS

INDIVIDUAL AND TAILOR-MADE.

In KTP containers, **various types of inside packaging elements** can be integrated. Whether in a loose form of foldable dividers, foam inserts, simple separating trays or firmly integrated solutions such as workpiece carriers or fabric pockets with rail system – the goods to be transported are packaged and protected in the best possible way. In addition, we also achieve **optimum use of the packaging volume**.



Foam inserts/EPP
QUAD DUO SYSTEM
with intermediate layer and transparent windows.



Thermo-formed inlays
SYSTEM QUAD DUO
with detachable front.



Hang-in fabric pockets
SYSTEM 2000
with detachable front.



Corrugated sheet divider
SYSTEM QUAD
with rigid bar assemblies.



Foam inserts
SYSTEM QUAD DUO
with stackable inserts.



Corrugated sheet divider
SYSTEM 2000 DUO
with foldable plastic dividers.



Easy handling: Inlays and full container sleeve are safely stowed away in a space-saving manner with very little effort required.

BOTH INSIDE AND OUTSIDE

WE KNOW SOMETHING ABOUT PACKAGING.

Trust in our expertise. We develop the perfect packaging solution together with you.

We at KTP regard ourselves as a high-performance partner when it comes to packaging. In addition to our containers, we focus in particular on the **inside packaging**.

Different packaged goods have different requirements – size, material, weight, sensitivity and many other criteria play a major role. Once the “outer packaging”, i.e. the container, has been selected, the appropriate inside packaging must be found.

There are various options here, from corrugated sheet to foam, web sets or fabric dividers and much more.

Not only for transport containers – especially for inside packaging, our reusable solutions offer enormous advantages over conventional disposable packaging:

- **Optimal protection of products through tailor-made and individually adaptable solutions**
- **Cost-efficiency and cost-effectiveness due to long service life**
- **Transport optimisation and utilisation of the maximum transport volume**
- **Sustainability – less environmental impact thanks to the elimination of disposable packaging waste**

*In close cooperation with our customers, we develop a **holistic packaging concept** that combines criteria such as transport optimisation, product protection, security, cost reduction and sustainability in an ideal way.*

CONTAINER SOLUTIONS 4.0

FIT TO TACKLE ANY CHALLENGE.

Our customers come from the most various industrial sectors such as e.g. automotive, pharmaceuticals, mechanical engineering or medicine. And just as **diverse** are the **requirements on our containers**.

Depending on the type and size of the packaged goods or on different transport and storage conditions, containers are required **that deviate from the standard or bring it to a new level**.



Scan here to watch the video.

The **EuroStack 128** is a container with the **exact basic size** of a **standard EPAL pallet** made of wood. In addition to the system size of 1200 x 800 mm with the largest possible internal dimensions, the **stacking compatibility with Euro pallets and VDA lids** should be particularly emphasized. High payloads and storage in high racks are further advantages of the EuroStack 128.



Euro wooden pallet vs. EuroStack 128
Identical proportions and dimensions for an optimal replacement.



"Triple ★★★★★ award-winner."



KTP KNOW-HOW

SMART PACKAGING AT THE HIGHEST LEVEL.

The packaging of particularly sensitive parts is always a major challenge. Regardless of whether sensitive electronics, painted surfaces or pressure-sensitive materials are concerned – **we promise optimal protection**. The selection of the right inside packaging is crucial. Of course, all this is done under maximum ergonomic and sustainability aspects.



Suspended goods, the maximum possible container opening and all-in-one return shipping were the challenges for this KTP Duo container.

The front panel can be completely removed and securely and stably locked again thanks to the patented KTP TurnLock closure.

The seat covers shown here can thus be optimally removed. Thanks to the return collar, the return transport takes place completely and with reduced volume as a unit.



This KTP System 2000 Duo container is a special solution. Here, the return collar is firmly connected to the lid instead of to the pallet, which would otherwise be the case. The high-quality multifunction leather steering wheels are stowed safely and protected in textile dividers. After removal, the container can be folded up for the return transport with reduced volume.

Folded sleeve incl. two-layer fabric divider.

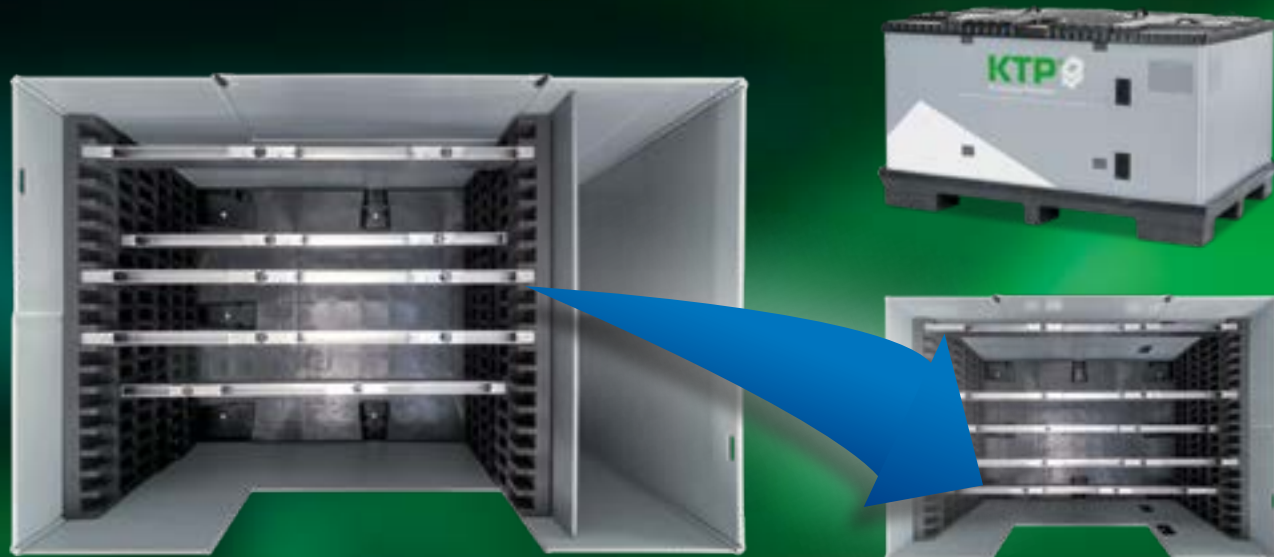


KTP BIG BODIES

CLEVER PACKAGING ON A GRAND SCALE.

In contrast to conventional large load carriers made of steel, our **KTP containers are volume-reducible**, ergonomic and extremely easy to handle. Rounded edges reduce the risk of injury – the **protection of the packaged goods is optimised**. Thanks to a wide variety of types of inside packaging, even large, bulky parts can be transported safely and with optimal utilisation of the transport volume. This saves time and money.

Our container equipment makes the difference. In the **Duo** version (see page 17), inside packaging can be **returned 1:1**. With **SmartFix®**, the container can be **assembled or disassembled in less than 4 seconds**.



Clever packaging on a grand scale – this **KTP System 2000** container has a **basic size of 1800 x 1200 mm**. The version shown has two loading flaps for the easy removal of large aluminium profiles. The inside packaging has been designed so that two different profile sizes can be transported optimally packaged – with the same container.

BIG BODIES	Dimensions (mm)
	1450 x 1130 mm
	1500 x 1200 mm
	1600 x 1200 mm
	1800 x 1200 mm
	2100 x 800 mm
	2400 x 820 mm

KTP System 2000 – with a basic size of **1600 x 1200 mm** it is also ideally suited for the transport of large parts. **The special highlight of this container is the light, foldable lid.**

For further information, please refer to the size table on the last two cover pages.



Scan here to watch the video.

BIG BODIES	SmartFix®
	1500 x 1200 mm
	1800 x 1200 mm
	2100 x 800 mm

Some containers from our **BIG BODIES** series are also available in the **SmartFix®** version. This patented system enables absolutely simple and ergonomic handling. Even with large XXL dimensions, assembly and disassembly can be easily carried out by just one person.

Thanks to **SmartFix®**, e.g. for example, a **SYSTEM 2000 1800 x 1200** container can be assembled or dismantled in less than four seconds – optimum handling with low effort.



SYSTEM CLASSIC

THE ENTRY LEVEL SOLUTION.

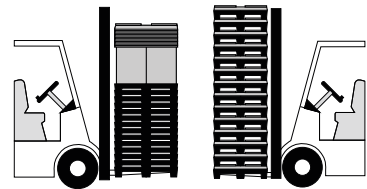
The System Classic is **our entry level solution** for a wide range of transport goods up to 250kg.

These sturdy and safe KTP transport containers enable you to **optimally exploit your transport volume**. The Classic folding method and nestable pallets allow a **return rate of 1:5**.

- Classic folding: One container remains assembled; the sleeves of the other containers are stored inside it
- Nestable pallets
- Space-saving storage



Scan and watch the application video.



Stacking the containers:

- 14 pallets,
- 1 assembled container (sleeves inside)
- 14 lids

SYSTEM EXPORT

ONE WAY SOLUTION.

Our **cost-effective** export/disposable packaging solution for overseas transports – the Export system. These containers guarantee an **ideal capacity utilisation of the sea freight container**. Pallet and lid are made of plastic, the sleeve is cardboard (**moisture-proof glued heavy-duty corrugated board**). Therefore, pest control treatment is not required. Can also be used as cost-effective storage packaging.



- Substitute for cardboard-wooden pallet solutions
- Secured transport through closed container
- No empty spaces during transport
- Non-slip stacking
- 100% recyclable

Further information can be found in the size table (page 32).

CARRIER SYSTEM

TRANSPORT OF SMALL STACKABLE CONTAINERS.

The solution for the transport and storage of small stackable containers (VDA) and foam containers (EPP/ EPE) etc. **Pallet and lid connect the load carriers, optimally forming one packaging unit**. KTP carrier systems offer **ideal protection against damage to the load carriers and stored goods**. In addition, they have a non-slip securing element by means of the circumferential stacking rim.



Stability

The raised pallet edge prevents the load carriers from slipping. This ensures optimum stacking.



Safety

Additional lashing systems (optional) make sure that everything remains firmly in place. They are available as 2-fold or 4-fold elements.



Scanning for more information

Carrier system 2000



Carrier system Quad

Compatibility

Our carrier systems are stackable with selected KTP containers.

- Suitable for use with roller conveyors and chain conveyors
- Optimum load distribution



Marking

All pallets can be identified by coloured markings and individual lettering.



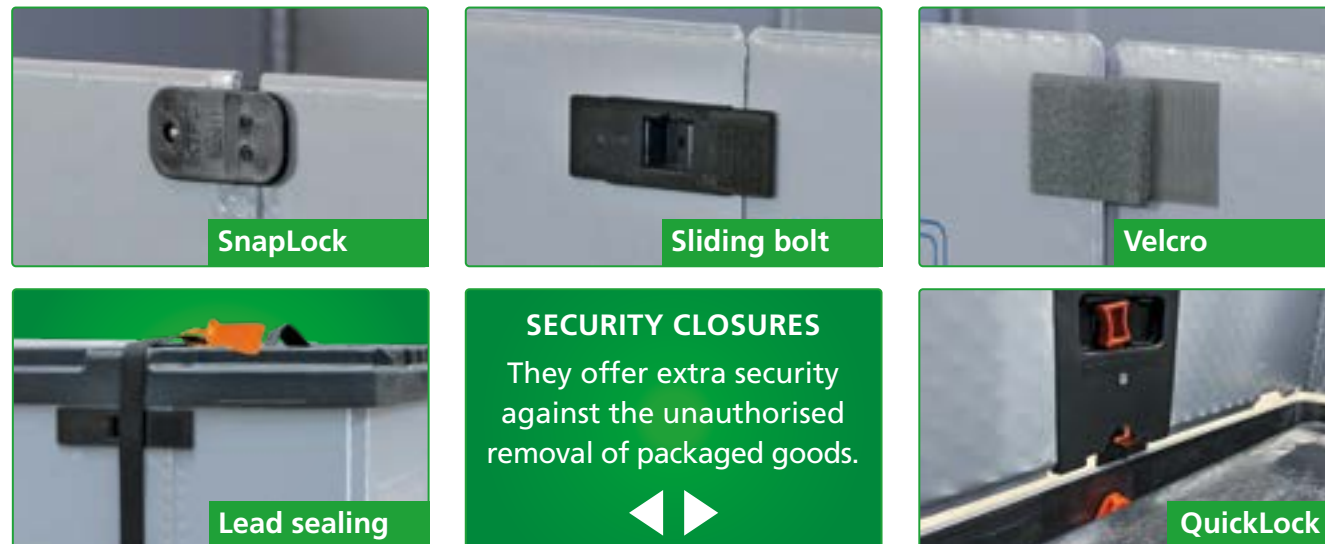
Further information can be found in the size table (page 32).

CONTAINER OPTIONS

TAILOR-MADE SOLUTIONS.

Our container systems can be adjusted to the respective customer requirements by means of a **variety of equipment options**. We will be pleased to advise you regarding selection and implementation.

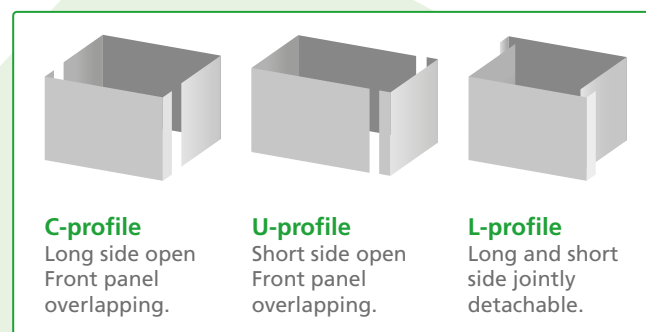
CLOSURE SYSTEMS LOADING HATCH AND SECURITY.



CLOSURE SYSTEMS DETACHABLE FRONT.



SLEEVE PROFILES



INTERMEDIATE LAYERS



CONTAINER OPTIONS

CONTAINER IDENTIFICATION.

All of our containers can be individualised by means of **various types of identification** and adjusted to the diverse requirements for optimum handling. We will be pleased to advise you in this respect. The following example containers will indicate available identification options.



- 1** VARIABLE SLEEVE/ COLLAR HEIGHT
(Full container sleeve/return collar)
- 2** SCREEN PRINT
(Full container sleeve/return collar)
- 3** COLOURED STICKER
(Pallet & lid)
- 4** STICKER PRINT
(very small quantities)
- 5** COLOURED SLEEVES/COLLARS
- 6** RFID
- 7** LASER ENGRAVING
- 8** LIGHT GREY PALLET
▶ **ADDITIONAL LOADING HATCH**
(See page 17)



ESD version
Electrostatic discharge – for electronic components



Version with skids
See the size table (page 33).

STANDARDISATION

OPTIMISATION OF THE LOGISTIC PROCESS CHAIN.

Cost reduction through standardisation – KTP specialises in that.

KTP has made a name for itself as a pioneer in the field of container standardisation. **Millions of our containers** can be found at all OEMs and all over the world as **standard containers**. The most well known is the standard container 114 888 in the automotive industry with the dimensions 1200 x 1000 x 990 mm.

Standardisation – What does that mean?

Logistics are simplified and optimised by reducing the packaging diversity (wood, cardboard, steel, plastic) and packaging dimensions. The inbound and outbound logistics are limited to a few **container system solutions of modular design**. Standard dimensions guarantee an **ideal utilisation capacity in a truck or sea container**. In addition, the folding capability of the containers achieves a volume reduction of up to 80%. This not only **saves space and transport costs** – the factory and warehouse are also visually enhanced by tidiness and cleanliness. Conveyor technology, robot handling, RFID identification and other Industry 4.0 applications present no problems for our containers.

The KTP "all-round carefree package" – excellent service is a matter of course for us!

We accompany you throughout the entire process:

- Comparison of containers and customer requirements
- Economic efficiency calculation, determination of the ROI
- Development, production and sale of the containers from one source
- Support in the implementation by means of handling courses and training videos
- In-house support for repairs
- Recycling at the end of the product life cycle

Benefit from 30 years of experience – We operate in the following sectors:

- Automotive
- White goods / brown goods
- Pharmaceuticals
- Electrics
- Building machines
- Harvesting machines
- Mechanical engineering
- Textile
- and many more.



Optimal utilisation and visual enhancement of the high rack warehouse as a result of our standardisation and modular container system.

ONLY AVAILABLE AT KTP

FAST – EASY – SAFE.

Our ground-breaking idea of the "sandwich solution" is still the centre of focus today. **Easy and self-explanatory handling** characterises all of our container systems. In many of our new developments, the "reduction of parts" of the container (pallet, lid, sleeve, base insert) plays an important role in the optimisation of ergonomic handling, user comfort and economic efficiency.



See page 10.

Integrated base insert

FROM 4 TO 3 PARTS

- Open pallet deck is covered
- The loose base insert only covers the hollow feet
- The integrated base insert covers and goes a step further: When loaded, the sleeve is automatically locked in the pallet



SnapLock

2 STEPS LESS

- Secure closure without manual locking
- Robust and durable
- It couldn't be faster or easier



SmartFix®

FROM 4 TO 1 PART

- All parts are firmly connected to one another – to ensure that nothing is lost
- The sports car amongst the containers – assembled and dismantled in only 4 seconds
- Available in many sizes



TurnLock

SECURE IN ONLY 2 STEPS

- Securely closed in next to no time
- Containers with a detachable front panel are stabilised with the TurnLock – even during dynamic transport



HOW TO DO IT

UNBEATABLY FAST HANDLING.

SYSTEM CLASSIC – Folding

- 3 parts = no sandwich (4 spaces during assembly)
- > Lids, pallets and sleeves are stacked separately



SYSTEM 2000/SYSTEM QUAD – Sandwich folding

- 3 parts = 1 sandwich
- > Lid, pallet and sleeve are kept in pairs



VERSION SMARTFIX® – The one-piece sandwich

- 1 part = 1 sandwich
- > Lid, pallet and sleeve are firmly fixed



VERSION DUO – Sandwich folding

- 3 parts + inside packaging = 1 sandwich
- > Lid, pallet, sleeve and inside packaging are kept in pairs

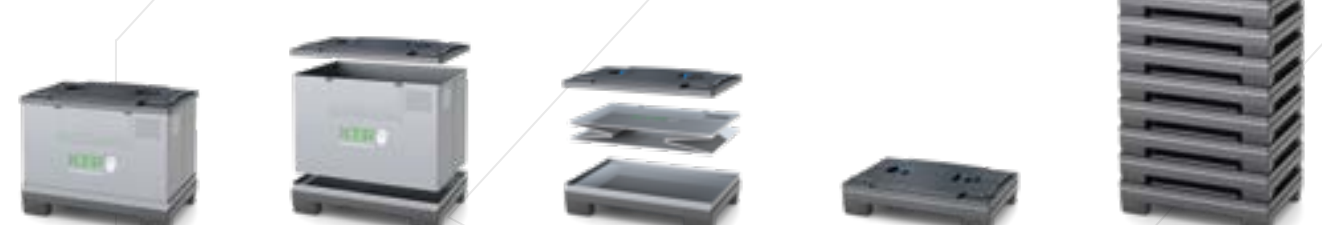


TABLE OF SIZES

SYSTEM CLASSIC

External dimensions (mm)	Internal dimension (mm)	Payload/stacking load (kg)	Additional designation	Full/empty containers on a mega-trailer*	Standard (3-piece container)	SMART FIX®	Duo
1200x800x875	1160x760x705	250/1150	–	99/462	●	–	–
1200x800x875	1136x736x705	250/1150	–	99/429	–	–	●
1200x1000x985	1168x968x800	250/1250	–	78/364	●	–	–

SYSTEM EXPORT (CARDBOARD)

External dimensions (mm)	Internal dimension (mm)	Payload/stacking load (kg)	Additional designation	Full/empty containers on the mega-trailer*	Full/empty containers in a sea container**	Standard (3-piece container)
1130x725x730	1054x654x560	350/1000	Sea container small	144/504	96/320	●
1200x800x875	1154x754x705	350/1000	–	99/462	72/240	●
1200x1000x985	1162x962x800	350/1000	–	78/364	42/210	●

CARRIER SYSTEM

Basic size (in mm)	Carrier system	Payload (kg)	Compatibility	Standard
800x600	SYSTEM 2000	350	–	●
1200x800	SYSTEM 2000	350	–	●
1200x1000	SYSTEM 2000	350	–	●
1200x800	SYSTEM QUAD	750	with 114 777	●
1200x1000	SYSTEM QUAD	750	with 114 888	●

An individual product often requires a tailor-made packaging option. Together with our customers, we develop the ideal packaging solution for an optimum logistics process. The resulting benefits are diverse. We not only ensure the best possible capacity utilisation of the packaging volume, we also optimise handling (e.g. by means of additional loading hatches, detachable side walls, skids, etc.). We can ensure safe and cost-effective transport thanks to our foldable containers (incl. inside packaging). Just contact us!

Modifications and errors reserved.

*Details based on a mega-trailer: 13.60 x 2.48 x 3.00 m (LxWxH) ** Details based on a 40-foot container: 12.20 x 2.40 x 2.60 m (LxWxH)

TABLE OF SIZES

SYSTEM 2000

External dimensions (mm)	Internal dimension (mm)	Payload/stacking load (kg)	Additional designation	Full/empty containers on a mega-trailer*	Standard (3-piece container)	SMART FIX®	Duo
800x600x710	745x546x525	200/600	–	264/924	●	●	–
800x600x750	772x572x560	300/1000	Düsseldorf	264/924	III	III	–
1000x600x695	933x534x515	250/1000	–	208/728	●	●	–
1000x800x750	940x740x575	200/1000	–	156/546	II	–	–
1130x725x730	1060x660x560	200/900	Sea container small	144/504	●	●	–
1200x800x890	1133x731x706	250/1250	–	99/429	● II III	–	–
1200x800x950	1156x756x747	500/1250	EuroStack 128	99/396	III	III	–
1200x1000x990	1140x940x815	250/1250	–	78/364 (Duo 260)	● / II	●	●
1200x1000x990	1140x940x790	350/1250	CombiStack	78/312 (Duo 260)	II	–	II
1220x820x955	1170x770x756	250/1250	Multifunction	96/416	II	–	–
1230x830x935	1170x770x745	250/1150	–	96/448	●	–	–
1230x830x935	1170x770x755	250/1150	–	96/448 (Duo 320)	–	●	●
1450 x 1130 x 730	1386x1065x550	350/1250	Sea container large	72/252	●	–	–
1500 x 1200 x 755	1430x1130x575	250/1250	–	72/234 (Duo 72/198)	●	●	●
1500 x 1200 x 990	1430x1130x805	250/1250	–	54/234 (Duo 54/198)	●	●	●
1600 x 1200 x 750	1540x1140x560	350/1250	–	64/192 (Duo 144)	●	–	●
1600 x 1200 x 980	1540x1140x790	350/1250	–	48/192 (Duo 144)	●	–	●
1800 x 1200 x 990	1735x1135x810	350/1250	–	42/182	●	●	–
2100 x 800 x 890	2049x739x705	250/800	XXL	57/247	–	●	●
2400 x 820 x 920	2345x758x720	250/800	XXL	48/208	□	–	–

With containers that are available in several equipment features, the height of internal dimension can vary slightly depending on the design.

QUAD SYSTEM

External dimensions (mm)	Internal dimension (mm)	Payload/stacking load (kg)	Additional designation	Full/empty containers on a mega-trailer*	Standard (3-piece container)	SMART FIX®	Duo
1230x830x875	1175x776x686	400/1250	–	96/384 ⁺	–	●	–
1230x830x945	1175x776x756	400/1250	–	96/384	–	●	●
1230x830x980	1195x795x780	500/1250	Super Quad	96/416	●	●	–
1230x1020x990	1175x965x790	400/1250	–	78/312	–	–	●
1230x1020x990	1175x965x804	250/1250	Ultimate	78/338	–	–	●
1230x1230x985	1175x1175x806	400/1250	–	60/220	–	–	●

● = Container without skids | III = with 3 skids (short side) | II = with 2 skids (long Side) | □ = with 2 skids (long + short side) | III = with 3 skids (long Side) | – = not available

Modifications and errors reserved.

*Details based on a mega-trailer: 13.60 x 2.48 x 3.00 m (LxWxH) ** Details based on a 40-foot container: 12.20 x 2.40 x 2.60 m (LxWxH)
*Details based on a tautliner: 13.60 x 2.48 x 2.70 m (LxWxH)



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