KTP – RETURNABLE PACKAGING SYSTEMS

INNOVATIVE IDEAS FOR WORKING SOLUTIONS

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KTP®
Packaging Solutions

Certified manufacturer:
ISO 9001 : 2008
ISO 14001
ISO 50 001

KTP®
Packaging Solutions

MADE IN GERMANY

KTP Green Logistics

THINK GREEN – FOR YOURSELF AND THE WORLD YOU LIVE IN!

GREEN PRODUCTION

KTP's foldable plastic containers are made of high-quality recycled materials. The use of non-virgin materials protect the planet.

GREEN TRANSPORT

KTP's robust and secure plastic boxes have optimized sizes for truck loads to make the most out of your transport volume. They can be reduced to minimum size to save up to 80 % volume of return transports. The CO_2 emissions will be reduced significantly in the overall environmental balance.

GREEN RECYCLING

The longevity of KTP's returnable packaging adds to your positive environmental balance. At the end of their product lifecycle, the containers will be returned into KTP's resource cycle.

THINK GREEN TODAY

There were never more goods transported around the globe than today. Every transport impacts our planet with harmful emissions. KTP stands up to their ecological responsibility and can facilitate your efforts to improve your environmental footprint.
There are two important steps towards optimized sustainability: the avoidance of virgin raw materials and the elimination of unnecessary transports thanks to volume reduction of empty containers.

100 % RECYCLABLE

KTP: Extensive know how for efficient solutions
30 YEARS OF PROVEN QUALITY

KTP is one of Europe's leading producers for innovative packaging solutions in transport and storage. Since 1988 the family-run business specializes in the development and production of foldable returnable packaging.
Today more than 200 employees produce highly innovative, foldable plastic containers.
In-house development and tool manufacturing combined with flexible production methods guarantee fast response to market requirements.

KTP STANDS FOR:

→ Customer and market orientation

→ Competent and individual consulting

→ Highest standards in security and quality

→ Innovation & functionality

YOUR PARTNER IN ECONOMICAL AND SUSTAINABLE LOGISTICS.

KTP Returnable Packaging Systems
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A BOX FULL OF BENEFITS

optimized volume utilization

78 FULL BOXES

KTP System 2000: 1200 x 1000 x 990 mm in mega trailer
full boxes: 78

PROTECTION
Pack clever – arrive safely

→ Fragile goods are transported safely
→ Closed, smooth plastic surface
→ Permanent protection from dust, dirt and moisture

FAST AND EASY HANDLING
Efficient – fast – ergonomic

→ The "real" three-part sandwich system
→ Built up and folded in seconds
→ No manual locks necessary
→ Minimized risk to loose components
→ Intuitive, user-friendly handling

**SATISFIED EMPLOYEES
OPTIMIZED SUPPLY CHAIN AND IMPROVED WORKFLOW**

COST RE DUCTION
than ks to efficiency & profitability

TESTED FROM −20°C UP TO +50°C!
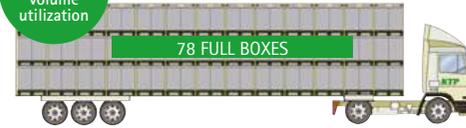
LONGEVITY
Lightweight – robust – secure

→ Returnable plastic packaging
→ High circulation rate
→ Stringent continuous testing and quality controls
→ High commercial viability

VOLUME REDUCTION WITH EMPTIES
Fast folding – safe stacking

→ Significantly reduced transportation costs
→ Up to 80 % volume reduction for empty containers
→ Standardized containers with optimized sizes for truck loads and sea containers guarantee ideal capacity utilization
→ Sandwich folding technique saves storage
→ Reduced storage costs
→ Outdoor area storage is possible

THINK GREEN

Recycling saves natural resources
+ volume reduction decreases CO_2 emissions
= protects the planet

Up to 80 % volume reduction

364 BOXES EMPTIES

KTP System 2000: 1200 x 1000 x 990 mm in mega trailer
Empty boxes: 364; full boxes: 78, return rate: 1:5

System 2000 – 1200 x 1000 mm

The Reliable Standard
SYSTEM 2000

These million fold field-tested containers are ideal for high volume but light-weight parts. System 2000 offers the perfect solution for stacking, storing and shipping a large variety of goods. The clever sandwich folding technique prevents the loss of components – for loaded and empty containers.

KEY FACTS:

→ Ideal standard container

→ The "real" three-part container with integrated base-insert

Guaranteed benefits:

☝ Intuitive, user-friendly handling

🕐 Ergonomic

📦 No waterlogging

Measurements		Payloads	
min.	800 x 600 mm	**max.**	Payload: 350 kg
max.	2400 x 820 mm	**max.**	Stacking load: 1250 kg
Height:	variable		

For all dimensions please see Size Chart on page 19.

PRODUCT FEATURES:

Exclusive only available at KTP

1) Integrated base-insert
The base-insert is attached to the sleeve

→ No loss of base-insert

→ Sleeve is secured in the pallet when loaded

→ No additional manual locks

→ Transported goods stay in place

2) Visual inspection of folded units
Sight opening in lid

→ Enables visual control if sleeve is included

→ No manual handling

3) Safe folded units
Elevated edge of lid

→ Lid emerges 100 % into pallet

→ Sleeve completely protected

→ Avoids damage caused by sliding of container

→ Secure and solid stacking of empties

4) The smart lid
Can be attached to sleeve when container is open

→ Saves space on the line

→ Improves ergonomics

→ Protection against dirt and moisture

Let's scan:
please see our application video

Super Quad Box 1230 x 830 mm

The wire-mesh box replacement – including a lid!
SYSTEM QUAD

Experience the perfect alternative to your wire-mesh container. This container is capable of high rack storage and comes with a lid. The identical footprint enables you to use your already existing inlays. Secure your valuable goods against dirt or moisture in a closed system.

KEY FACTS:

→ Suitable for high rack storage

→ Compatible to wire-mesh container

→ Made for heavy loads

Guaranteed benefits:

▦ Suitable for high rack storage and roll and chain conveyor systems

☝ Fast and simple handling with integrated locking system

⬇ Stable and nonspillable

Measurements		Payloads	
min.	1230 x 830 mm	**max.**	Payload: 500 kg
max.	1230 x 1230 mm	**max.**	Stacking: 1250 kg
Height:	variable		

For all dimensions please see Size Chart on page 19.

PRODUCT FEATURES:

1) Automatic locking through latching system

→ 4 snap-in locks ensure tilt-proof connection of sleeve and pallet

→ No additional manual locking

2) Closed pallet surface

3) Suitable for high rack storage
4-feet pallet with steal reinforcement

→ No bending

→ Secure positioning on bars of high rack storage

3) Suitable for roll and chain conveyor systems

Let's scan:
please see our application video

DUO VERSION

ALL IN ONE

The proven **"two-ring-system"** for the all-in-one solution. Inner packaging systems can be placed inside and returned completely with the system. The perfect solution to combine volume reduction and safe return of complete systems. The return collar is firmly fixed to the pallet and can be tailored to the needs thanks to adjustable heights.

KEY FACTS:

→ Perfect for complete return of inner packaging systems

→ All parts are returned in one system – even when folded

System Quad – Duo 1230 x 830 mm

For all dimensions please see Size Chart on page 19.

PRODUCT FEATURES:

1) The return collar is fixed to the pallet.
→ The sleeve is fully foldable.

System 2000 - 1200 x 1000 mm

2) Volume reduction
→ Also possible for containers including inner packaging.

Let's scan:
please see our application video

SMARTFIX® VERSION

Exclusive only available at KTP

The **"One-Piece-Unit"**: the award winning SmartFix® is distinguished by the connection of pallet, ring and sleeve. Never before it was so easy to set up and fold a container.

KEY FACTS:

→ Super-fast folding: built up in seconds

→ No more risk of loosing components

Up to 80 % volume reduction

System 2000 SmartFix® – D3K 800 x 600 mm

For all dimensions please see Size Chart on page 19.

AWARD WINNING!

prowin – Produkt des Jahres 2011 | Designpreis Deutschland 2012 NOMINEE | WPO WORLD PACKAGING ORGANISATION WORLDSTAR WINNER 2013-2014 | DEUTSCHER VERPACKUNGSPREIS BESTE VERPACKUNG 2013 | INDUSTRIE PREIS 2015 BEST OF

PRODUCT FEATURES:

1) Push-lid
→ Safes space on the site of operation

2) Fixed components
→ No risk of loss

Let's scan:
please see our application video

System Export – 1200 x 1000 mm

The One-Way-Solution
SYSTEM EXPORT

Our offer for your sea freight. A completely wood-free container requires no Sirex treatment. And of course it can also be used as a cost effective in-house storage solution.

KEY FACTS:

→ Advantageous solution for export or one-way transportation

→ Substitutes wood solutions

Secure your stackable container
CARRIER SYSTEMS

The optimal solution for transport and storage of small stackable container (VDA) and foam carrier systems (EPP/EPE). The KTP pallet and lid complete your carrier systems and create a perfect combination.

CARRIER SYSTEM 2000

→ 9-feet pallet for heavy weight
→ Suitable for block storage

CARRIER SYSTEM QUAD

→ 4-feet pallet with steel reinforcement for very heavy loads
→ Suitable for high rack warehouses

Guaranteed benefits:

- Goods secured by completely closed container system
- 100 % recyclable
- Easy to handle and ergonomic
- No shift of cargo when stacked

Measurements
min. 1130 x 725 mm
max. 1450 x 1130 mm
Height: variable

Payloads
Payload: up to max. 350 kg/box;
threefold stackable in a sea container

For all dimensions please see Size Chart on page 18.

Guaranteed benefits:

- Anti-Shift protection by all round stacking edge
- Perfect protection against damage of stacking containers or goods
- Suitable for roll and chain conveyors
- Perfect weight distribution

Measurements
min. 800 x 600 mm
max. 1450 x 1130 mm
Height: variable

For all dimensions please see Size Chart on page 18.

PRODUCT FEATURES:

1) Prevents shift of cargo
Build for safety!
→ Containers are stacked secure and with no risk of shifting during transport

2) Optimized dimensions
Complete utilization of sea freight container
→ Various optimized dimensions available
→ Full usage of available space

3) Components
Pallet, lid and sleeve
→ Cardboard sleeve (heavy corrugated cardboard with water-resistant glue)
→ Pallet and lid made of plastics

PRODUCT FEATURES:

1) Safety
→ Lashing System (optional) for additional safety available with 2 or 4 straps

2) Stability
→ All round stacking edge on pallet
→ Shift protection
→ Ideal for stacking

3) Identification of pallets
→ Colour marking
→ Individual labeling

4) Compatibility
→ Stackable with selected KTP containers
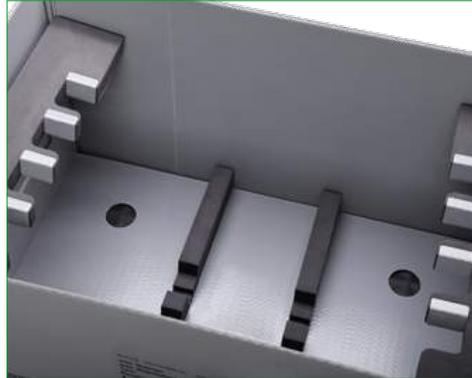
Bespoke Solutions
DUNNAGE SOLUTIONS

KTP containers are optimized to integrate a variety of inner packaging solutions – all tailored to your needs. Depending on the goods we can design and offer bag systems, inserts or inlays. The utilization of the full container volume ensures high packaging density combined with the perfect protection for your goods.

Twin-wall Sheet Divider
Divide your container optimized for your goods.

Foam Inserts/EPP
Protect fragile and large goods during the transport.

Bag Systems
Protect fragile and sensitive parts with flexible bag systems and just the right fabric for your part.

Thermo-formed Inlays
Fix heavy parts inside container.

Hundreds of options – more than just a "box"
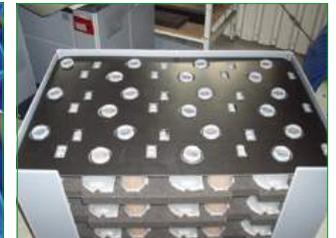# APPLICATION EXAMPLES

KTP container systems have set standards in the industry and helped a huge variety of satisfied customers to solve their logistical needs. KTP containers have helped to safely transport goods in many industries, from automotive to industrial engineering – and many others! KTP containers are used for block or high rack storage. The water resistant systems are made for both indoor and outdoor use.

Containers at work for logistics provider
KTP System 2000 on a trolley

Bag-systems for pressure sensitive parts
KTP System 2000 – Duo 1230 x 830 mm

EPP- and foam inserts for small parts
KTP System Quad – Duo 1230 x 830 mm

HKP divider for medical components
KTP System Quad – Standard
1230 x 830 mm

Foam tooth bar system for large volume parts
KTP System Quad – Duo 1230 x 830 mm

Hanging textile system for car interior parts
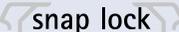KTP System 2000 – Standard 1200 x 1000 mm

CONTAINER OPTIONS

KTP offers hundreds of tailored solutions. Our container systems can be equipped with a large variety of inner packaging to ensure safety and high packaging density. The design is based on your specific needs. Contact us for your individual solution.

+ XXL sizes possible

+ Removable wall system

+ ESD-Version

+ Skids

*ESD=Electrostatic discharge

+ Variable height of sleeve
Available in standard height and in multiple tailored heights

+ Additional flap-door
Additional flap-door for easy access from both sides

+ Individual labeling
Individual graphic design

+ Integrated or loose base insert
Made for applications demanding closed pallet surface

+ Document storage
Document bag, placard label holder, marked label position

+ Tracking system
Selected containers available with RFID chip

+ Multiple closure options
Sliding bolt, velcro or snap lock

snap lock

Exclusive only available at KTP

KTP QUICK VIEW

Up to 80 % volume reduction

System 2000

→ Perfect standard solution

→ Transportation of light weight large volume parts (up to max. 300 kg)

→ Easy to handle

System Quad

→ Suitable for high rack warehouses

→ The foldable wire-mesh box replacement

→ Transportation of heavy weight parts (up to max. 500 kg)

SmartFix® Version

→ One-piece container

→ Easy to fold and unfold

→ No loss of parts

Duo Version

→ Perfect storage for inner packaging – "All-in-one"

→ Multiple dunnage solutions suitable

→ Secure shipment of fragile parts

SIZES EXPORT

System Export/ Basic Sizes (in mm)	Additional Designation	Outer Dimension (in mm)	Inner Dimension (clear in mm)	Full /Empty Boxes Megatrailer*	Seacontainer 40'Full/Empty	Standard
1130x725	Sea Container	1130x725x730	1054x654x561	144/468	96/320	x
1200x800	-	1200x800x875	1145x745x695	99/429	-	x
1200x1000	-	1200x1000x980	1148x948x815	78/338	-	x
1450x1130	Sea Container	1450x1130x750	1379x1060x550	72/234	48/160	x

SIZES CARRIER SYSTEMS

Carrier System	Additional Designation	Compatibility	Basic Sizes (in mm)	Standard	Skids
System 2000	-	-	800x600	x	-
System 2000	-	-	1000x600	-	x
System 2000	-	-	1200x800	x	-
System 2000	-	-	1200x1000	x	-
System Quad	-	with 114777	1200x800	x	-
System Quad	-	with 114888	1200x1000	x	-

On request:					
System 2000	US Dimension	-	1170x625	x	-
System 2000	US Dimension	-	1250x1170	x	-
System 2000	Sea Container	-	1130x725	x	-
System 2000	Sea Container	-	1450x1130	x	-

Changes and errors excepted
* Information based on the following sizes of a Megatrailer 13,60 x 2,48 x 3,00 m (LxWxH)

SIZES SYSTEM 2000

System 2000/ Basic Sizes (in mm)	Additional Designation	Outer Dimension (in mm)	Inner Dimension (clear in mm)	Full /Empty Boxes Megatrailer*	Stan-dard	Smart-Fix®	Duo	Skids
800x600	-	800x600x710	745x546x525	264/858	x	x	-	-
800x600	Düsseldorfer 3K	800x600x750	772x572x560	-	-	x	-	x
1000x600	-	1000x600x695	933x534x515	208/728	x	x	-	-
1000x800	-	1000x800x750	940x740x575	156/546	-	-	-	x
1130x725	Sea Container	1130x725x730	1060x660x560	144/468	x	x	-	-
1170x625	US Dimension	1170x625x690	1100x560x520	168/546	x	x	-	-
1200x1000	-	1200x1000x990	1140x940x815	78/364	x	x	x	x
1230x830	-	1230x830x945	1170x770x745	96/416	x	-	-	-
			1170x770x755		-	x	x	-
1250x1170	US Dimension	1250x1170x880	1180x1110x695	63/294	x	-	-	-
1450x1130	Sea Container	1450x1130x750	1385x1060x550	72/234	x	-	-	-
1500x1200	-	1500x1200x750	1430x1130x575	72/234	x	x	x	-
1500x1200	-	1500x1200x990	1430x1130x805	54/234	x	x	x	-
1600x1200	-	1600x1200x750	1540x1140x560	64/192	x	-	x	-
1600x1200	-	1600x1200x980	1540x1140x790	48/192	x	-	x	-
NEW 1800x800	-	1800x800x945	-	-	x	-	-	-
NEW 1800x1200	-	1800x1200x990	-	-	x	-	-	-
2400x820	XXL	2400x820x920	2345x758x720	48/192	-	-	-	x

SIZES SYSTEM QUAD

System Quad/ Basic Sizes (in mm)	Additional Designation	Outer Dimension (in mm)	Inner Dimension (clear in mm)	Full /Empty Boxes Megatrailer*	Stan-dard	Smart-Fix®	Duo	Skids
1230x830	-	1230x830x945	1175x775x760	96/384	-	-	x	-
1230x830	Super Quad	1230x830x980	1195x795x780	96/416	x	x	-	-
1230x1020	-	1230x1020x990	1175x965x800	78/312	-	-	x	-
1230x1230	-	1230x1230x985	1175x1175x780	60/220	-	-	x	-