

Flip-Box[®]

AL

***Volume-reducible
packaging and transport
system...***

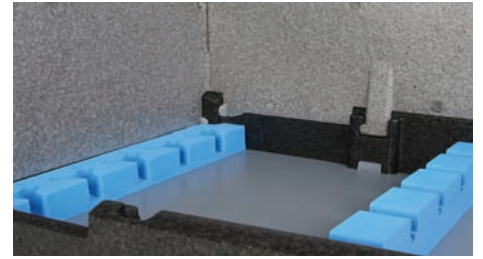


**WORLDSTAR
WINNER
2010**

...for Automotive Logistics

OVERATH
...Serial individuality

...with exchangeable individual packaging.



For optimised usage we develop individual solutions

- assembled trays, volume reducible if needed
- molded insert made of EPP
- thermo-formed trays
- combination products
- dividers / Flexi-Fach®

Those individual solutions support the optimal fixation during transportation of different parts e.g.:

- headlights and taillights
- steering wheels
- glove compartments
- navigation systems
- gear sticks
- speakers and so on...

Sensitive surfaces, such as varnished or chrome-plated are perfectly protected. The low weight and volume reduction is ideal for transportation by air and CKD.

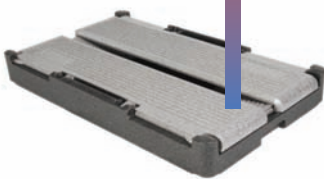
Flip-Box® AL is based on a patented, innovative and already proven technology. It is a cost saving product regarding tooling and development costs.

Flip-Box® AL offers short lead times even when small modifications are needed.

From 100%



by up to 63%*



down to 37%*

* differs by height

Flip-Box® AL - the volume-reducible, light-weight transportation box made of polypropylen (EPP). It has an integrated bottom to insert individual packaging, which can stay inside the box, even in folded position.

The individual insert as well as the single parts of **Flip-Box® AL** can also be replaced or changed. This gives the opportunity to either easy repair or re-usage of **Flip-Box® AL** for new applications. Again this increases efficiency within a future-oriented logistic process.

The material is very light, but still very durable and stable. By using higher densities the ultimate load can be increased further to meet customers' needs. Different colouring of single parts can offer additional applications as well as the use of ESD-material for safe transportation of electronical devices.



(optionally)



Economic transport through optimised load units!

From 100%



by up to 60%*



down to 40%*

* differs by stacking height

Volume reduction is one of the main factors to reduce transportation and warehousing costs. In addition to this the relatively low net weight of **Flip-Box® AL** allows a higher cargo load. Space saving warehousing, long durability and divers usability are offering additional economic savings which are featuring this innovative transportation system.

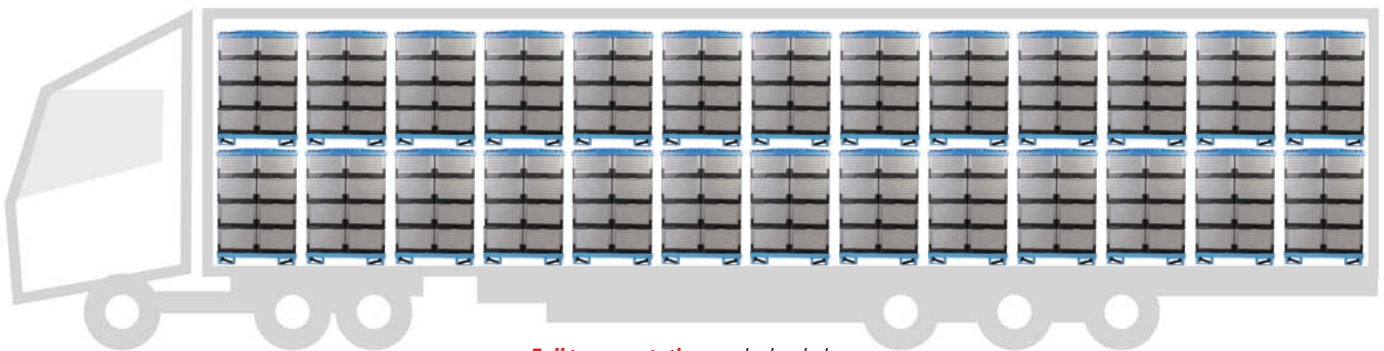
Flip-Box® AL can be combined with various standard transportation systems. Loading units can be formed with standard steel pallets as well as with light weight plastic pallets.

The available heights of **Flip-Box® AL** are synchronised with truck and container measurements - in folded as well as in upright position.

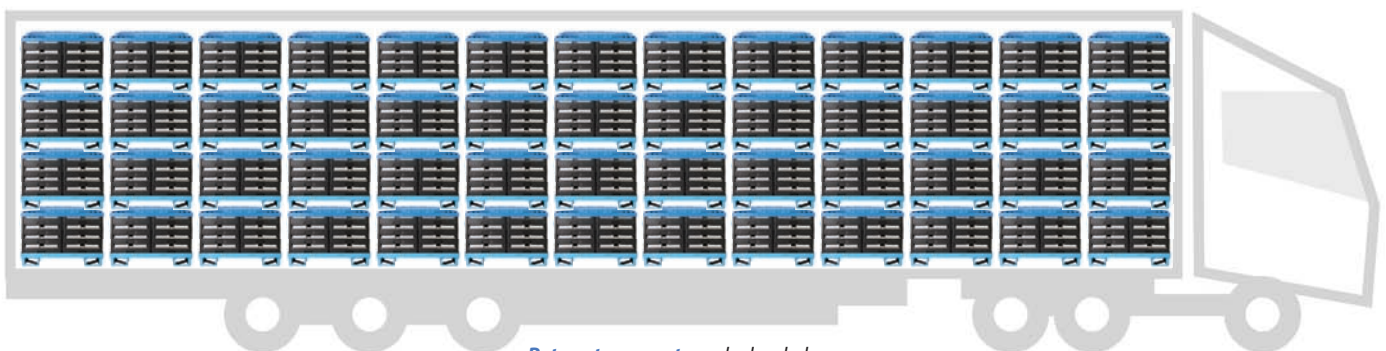
For example: "Megatrailer"
loaded with **Flip-Box® AL**, height of box 335 mm
on steel pallet with standard plastic cover.



...an additional solution: **Flip-Box® AL**
combined with volume-reducible stillage



Full transportation can be loaded
with **52 full loading units.**



Return transport can be loaded
with **104 volume reduced empty load units.**



Made in Germany

Flip-Box® AL
A profitable system for efficient logistic processes combined with innovative design.

Flip-Box® AL

Basic measurement: 1,200 x 1,000 mm (UH = Useful Height)

990 x 590 x UH 305	upright	external:	990 x 590 x 335 mm
		internal:	940 x 540 x 305 mm
volume reduced		external:	990 x 590 x 130 mm
990 x 590 x UH 240	upright	external:	990 x 590 x 270 mm
		internal:	940 x 540 x 240 mm
volume reduced		external:	990 x 590 x 130 mm
990 x 590 x UH 196	upright	external:	990 x 590 x 226 mm
		internal:	940 x 540 x 196 mm
volume reduced		external:	990 x 590 x 130 mm
590 x 495 x UH 240	upright	external:	590 x 495 x 270 mm
		internal:	540 x 445 x 240 mm
volume reduced		external:	590 x 495 x 130 mm
590 x 495 x UH 196	upright	external:	590 x 495 x 226 mm
		internal:	540 x 445 x 196 mm
volume reduced		external:	590 x 495 x 130 mm

Basic measurement: 1,200 x 800 mm (UH = Useful Height)

790 x 590 x UH 305	upright	external:	790 x 590 x 335 mm
		internal:	740 x 540 x 305 mm
volume reduced		external:	790 x 590 x 130 mm
790 x 590 x UH 240	upright	external:	790 x 590 x 270 mm
		internal:	740 x 540 x 240 mm
volume reduced		external:	790 x 590 x 130 mm
790 x 590 x UH 196	upright	external:	790 x 590 x 226 mm
		internal:	740 x 540 x 196 mm
volume reduced		external:	790 x 590 x 130 mm
590 x 395 x UH 240	upright	external:	590 x 395 x 270 mm
		internal:	540 x 345 x 240 mm
volume reduced		external:	590 x 395 x 130 mm
590 x 395 x UH 196	upright	external:	590 x 395 x 226 mm
		internal:	540 x 345 x 196 mm
volume reduced		external:	590 x 395 x 130 mm



1.



Flip-Box® AL
 upright position / volume reduced



2.



Flip-Box® AL
 upright position / volume reduced,
 in volume reducable stillage with
 ConPearl-cover / 8 units



3.



Flip-Box® AL
 upright position / volume reduced,
 on steel pallet with standard plastic
 cover / e.g. 6 units



OVERATH
 ...Serial individuality

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