

BITOBOX XLmotion

BITO
LAGERTECHNIK

Lowest ever noise level on conveyors
improves job satisfaction

CREATE A
QUIET WORK
ENVIRONMENT



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EFFICIENT PROJECT
FULFILLMENT AND
LOW-NOISE HANDLING

BITOBOX XLM

BITOBOX XLmotion –

THE NO-COMPROMISE SOLUTION FOR AUTOMATED STORAGE

IDEALLY, BINS & CONTAINERS USED IN AUTOMATED SYSTEMS
MUST MEET THE FOLLOWING REQUIREMENTS:

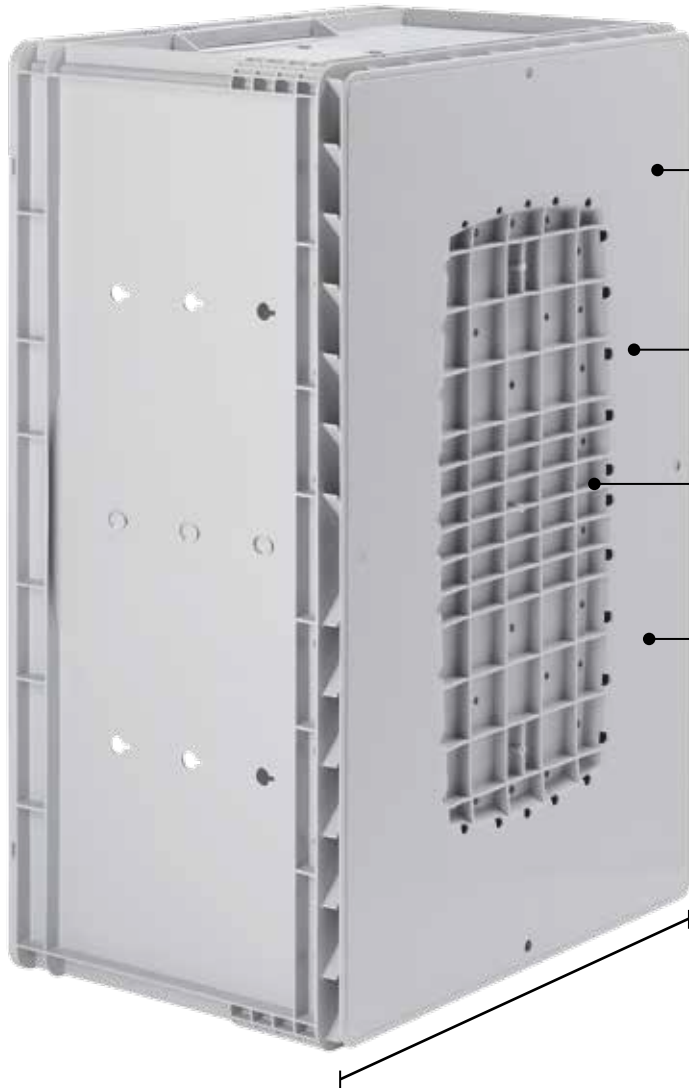
- + Low noise levels
- + Compatibility with all system components
- + Large storage capacity
- + Specified load capacities must be met
- + Water drain holes for use in sprinkler environments
- + Customizable bin subdivision
- + Attractive price-performance ratio

Bins and containers suited for use in automated environments are key to efficient product handling.



BITOBOX XLmotion –

EXCEPTIONALLY FUNCTIONAL IN AUTOMATED ENVIRONMENTS



REINFORCING RIBBING

Running diagonally
to reduce noise development

RUNNING TREAD

At least 100 mm wide

DRAIN HOLES

Optional drain holes in the base

NEW DOUBLE BASE DESIGN

BASE WIDTH 389 MM

Approximately 26 mm wider than usual



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SECURE STACKING

Please note: XLmotion containers
do not stack with European
standard size containers



INTEGRATED POCKET HANDLES

Integrated pocket handles supplied as standard on the long sides



LOCATION LUGS

Optionally available to lock drop-in lid



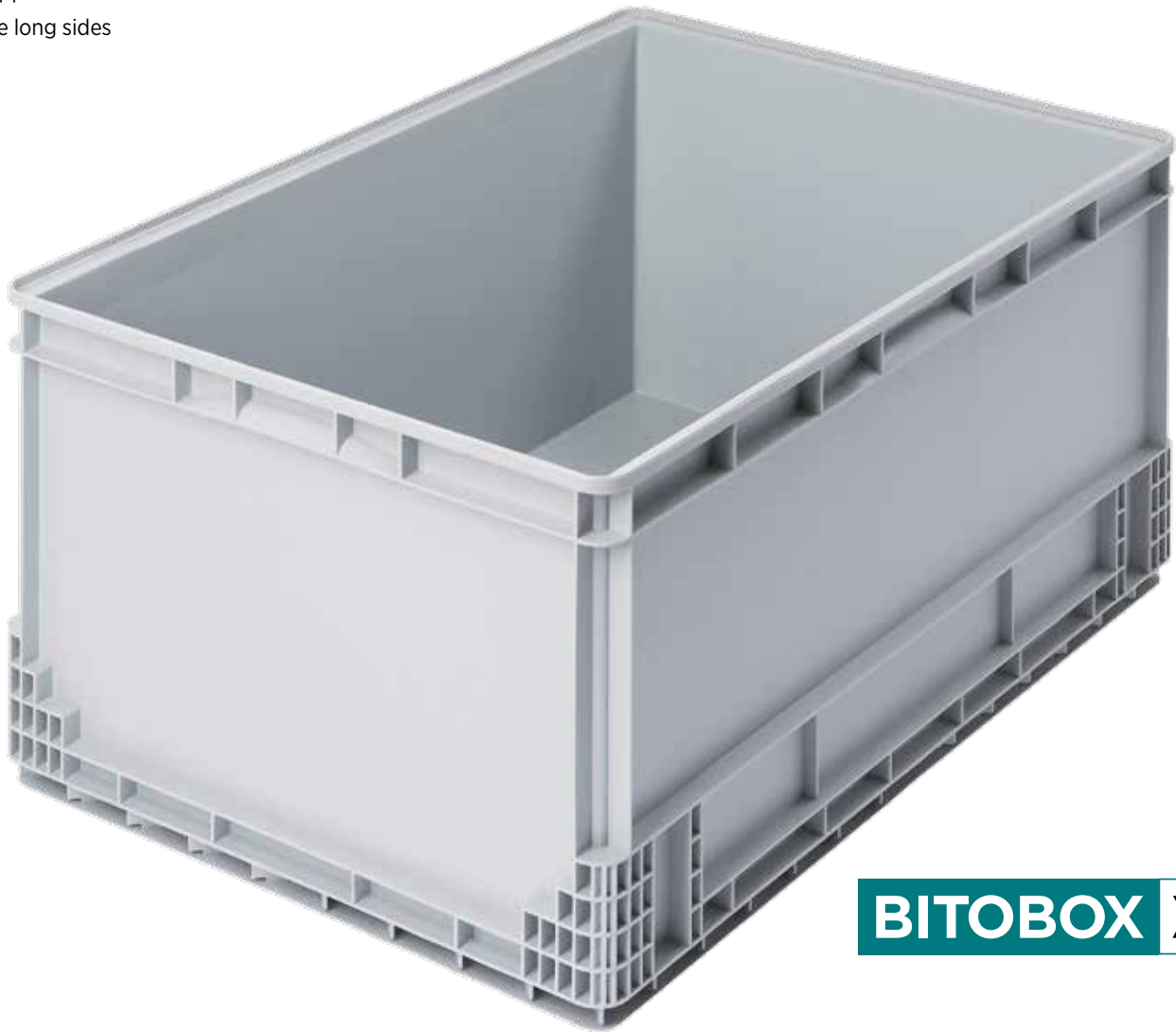
STRAIGHT SIDES

allow maximum volume utilisation



GRIP HANDLES

Closed or open option



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DRAIN HOLES

Containers can optionally be supplied with drain holes in the lower part of the sides



CUSTOM COLOUR UPON REQUEST



DIVIDER SLOTS

The container sides are optionally available with slots to fix dividers



RIBBING PATTERN

Can be adapted for optimum compatibility with your automated handling system

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SUPER SILENT ON CONVEYORS

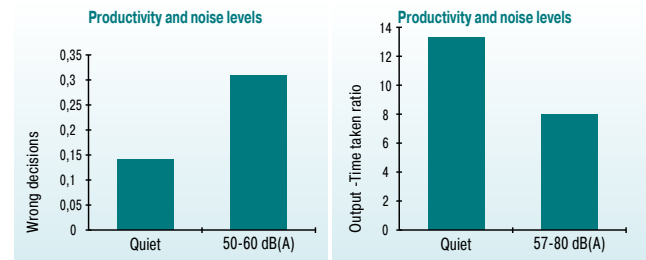
NOISE HAS A NEGATIVE IMPACT ON:

- + ability to focus
- + memory
- + speed of thought
- + creativity
- + work performance
- + motivation
- + stress level
- + need for a break - fatigue
- + bodily health:
 - muscle tone (tension),
 - nervous system, hormone control
- + emotional health:
 - feelings such as anger, irritability

LOWEST EVER NOISE LEVEL ON CONVEYORS

Benefits:

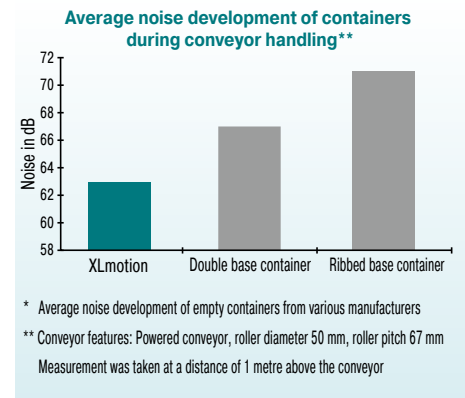
- + The closed surface edge minimises running noise development
- + Considerably reduced noise levels measured along conveyors
- + Reduced noise hazards for operators
- + Increased job satisfaction, minimised noise-induced stress levels, reduced sickness absence rates
- + Less mistakes thanks to a quiet work environment



Source: BAuA: Lärmentwicklung - Gehör, Gesundheit, Leistung 2004 (Study on noise-related health hazards and performance)

LEGAL INFORMATION ON NOISE CONTROL AT WORK

Noise has adverse effects on employee health and performance. This is why extensive regulations and guidelines on noise levels in the workplace have been established. One of them is the implementation of the EU Directive EG 2003/10/EG into German law (LärmVibrationsArbSchV) to protect employees from noise and vibration hazards at work. An effective way of reducing noise hazards is to prevent or minimise noise at the source of origin. Applying the principle of minimisation means that noise or any sound that is perceived as disturbing or damages hearing or is in any other way harmful to health must be reduced as far as possible by state-of-the-art technology standards.



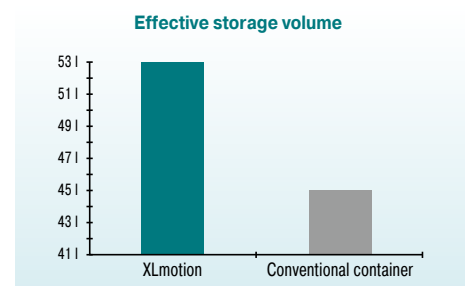
A level change of + 3 dB corresponds to a doubling of sound intensity and is perceived as significantly louder.

HUGE STORAGE CAPACITY

Compared to similar containers customary on the market, the straight sides and the wider base of XLmotion containers provide 3 to 6 litres more storage capacity.

Benefits:

XLmotion containers sized 600 x 400 x 270 mm provide 15% more storage capacity than comparable bins and containers.

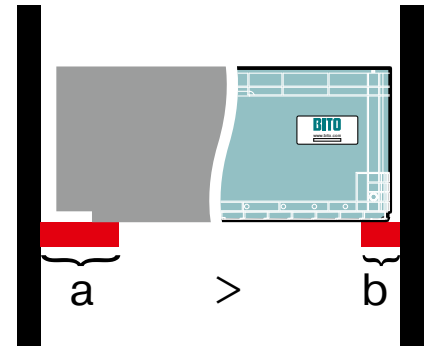


XLmotion

COST-SAVING AND FUNCTIONAL

REDUCES STEELWORK CONSTRUCTION COSTS OF AUTOMATED FACILITIES

In view of developing the perfect container for automated storage, we decided not to insist on stacking compatibility with European standard size containers. Compared to like-products on the market, the BITO XLmotion container base is 26 mm wider. This extra base width allows to reduce the seat profile width in classical ASRS facilities.



Calculation example:

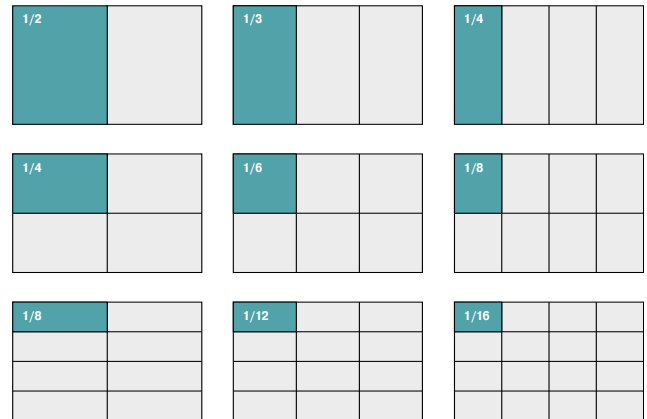
- Cost saving on steel for seat profiles: approx. EUR 0.30 per storage location
- Number of storage locations: 30,000
- Savings potential: 30,000 x EUR 0.30 = approx. EUR 9,000

A wider base than is usual for European standard size stacking containers (389 mm instead of 363 mm) allows cutting down on the steelwork cost of AS/RS facilities.

CUSTOMIZABLE BIN SUBDIVISION

- + All containers of the XL series can be subdivided
- + Length and width dividers have lugs that can be inserted into the divider slots (optional feature) in the container sides
- + A downward push locks them into place, however it is just as easy to remove them

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Optional divider system: subdivides containers into 2 up to 16 compartments. Firm fit, easy to insert or remove.

CONTAINER SIZES

TYPE	EXTERNAL mm	INTERNAL mm	LOAD CAPACITY		VOLUME	REF. NO.
XMLM64121	599 X 399 X 120	569 X 369 X 100	50 KG	250 KG	25 L	55-31534
XMLM64171	599 X 399 X 170	569 X 369 X 150	50 KG	250 KG	32 L	55-31533
XMLM64221	599 X 399 X 220	569 X 369 X 200	50 KG	250 KG	42 L	55-31397
XMLM64271	599 X 399 X 270	569 X 369 X 252	50 KG	250 KG	53 L	55-31377
XMLM64321	599 X 399 X 320	569 X 369 X 300	50 KG	250 KG	63 L	55-31398
XMLM64421	599 X 399 X 420	569 X 369 X 400	50 KG	250 KG	84 L	ON REQUEST

BINS & CONTAINERS, SHELVING & RACKING FOR AUTOMATED WAREHOUSES

BITO IS YOUR

SINGLE-SOURCE STORAGE SOLUTIONS PROVIDER.

WE SEE YOUR PROJECT THROUGH,

FROM THE INITIAL IDEA TO IMPLEMENTATION.

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ALSO SUITED FOR
AUTOMATED STORAGE:

BITOBOX KLT



BITOBOX XL



BITO TRAY



BITOBOX MB



BITOBOX U-TURN



BITOBOX EQ



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