



Optimum space utilisation, fast access, greater safety and protection for personnel and stored articles!



With vision and courage

From small workshop to globally active company with 210 employees and annual sales of 20 million euros in folding machine construction, the manufacture of turned parts and in administration.

More than 100 varieties of high-performance folding machines incorporating the latest technologies are produced on over 6,000 square metres of floor space.

In perfect shape

And that does not just apply to the folding machines from GUK. The warehouse, which is used to store replacement parts, subassemblies and assembly components, all in all around 2,000 articles, will in future be in perfect shape too.

The GUK team gets reinforcements!

Shuttle® XPlus 4, with its many advantages, gets the GUK warehouse into perfect shape too.

The KARDEX Shuttle® XPlus ultra-quiet storage giant has flexible dimensions and an enormous carrying capacity.

The Shuttle® XPlus creates 326 square metres of storage capacity on just 20 square metres of floor space.

The situation before:

The replacement parts, subassemblies and assembly components used to be stored in static shelves. This meant space was not optimally used, various storage locations were needed, transport routes and material path times were long, personnel had to climb ladders, and searching for items was time-consuming which therefore translated into excessively long article deposit and retrieval times. Furthermore, articles could not be stored safely and securely or protected from dust. Stock control proved difficult, the inventory was inaccurate and there were too many articles kept in stock which meant the associated capital tie-up was high.

Requirements of the new warehouse system:

- Optimise space utilisation, increase storage space
- Increase productivity
- Optimise picking operations
- Item-to-person retrieval, optimise transport routes and path times
- Ergonomic working conditions
- Safety and protection for personnel and stored articles
- Upgradeable at any time

GUK Falzmaschinen, Griesser und Kunzmann GmbH & Co. KG, 78669 Wellendingen. GUK stands for quality, innovation and customer orientation.

The solution: KARDEX Shuttle® XPlus 4

A walking beam combines four Shuttle units into the Shuttle® XPlus 4.

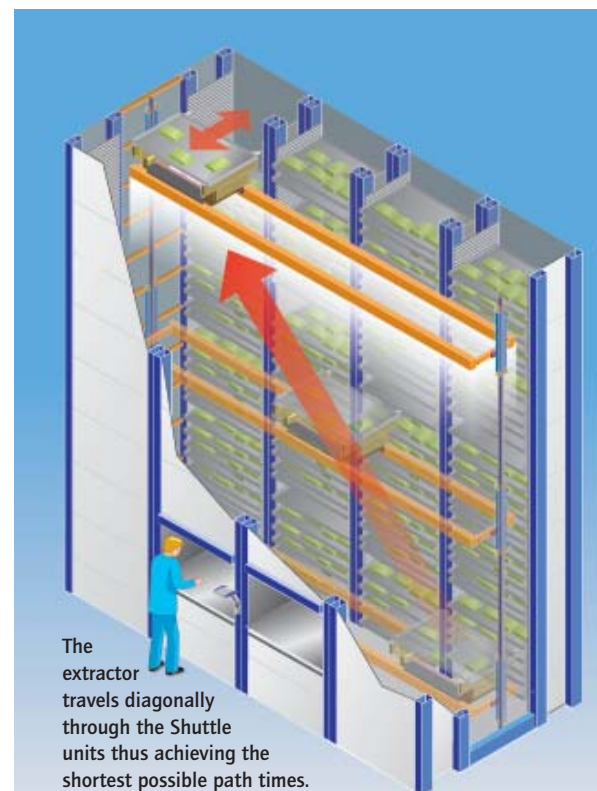
The extractor travels on the beam and transports the desired tray and its articles either directly to the access point or back to a free storage location.

High travel speeds in conjunction with low noise emissions round off the design.

The storage giant provides 326 square metres of storage capacity on a floor space of just around 20 square metres.



Short transport routes between the economically designed access points save time and increase productivity.



The extractor travels diagonally through the Shuttle units thus achieving the shortest possible path times.



Ultimate convenience

PowerPick 5000 software – systematic warehouse management

The KARDEX Shuttle® XPlus works together with the PowerPick 5000 software that has been integrated in the existing IT environment and connected to the HOST system. Warehouse management with PowerPick means so much more than just placing articles in storage and retrieving them – the system ensures that demand, stocks and storage space are managed optimally.



The automatic lifting door at the access point protects personnel, the machinery and stored articles. It also cuts down noise emissions.



The tray containing the requested articles is made available at the press of a button and automatically takes the fastest and shortest route.



www.guk-falzmaschinen.de

GUK

The advantages at a glance:

- ◆ Expensive storage space is saved many times over thanks to optimum space utilisation
- ◆ The saving in storage space means that additional areas can be set aside for production
- ◆ Time savings are achieved when placing articles into storage and retrieving them thanks to the "item-to-person" principle
- ◆ The requested component is automatically made available at the access point at the press of a button
- ◆ Short transport routes and path times result in savings in labour time
- ◆ Increased productivity due to rapid access
- ◆ Reduction in assembly times
- ◆ Greater safety and protection for personnel and stored articles, no more ladder climbing, no risk of accident
- ◆ Improvement in the working conditions
- ◆ Ergonomics in the workplace; articles are made available to personnel at the ergonomically positioned access point

A brief overview

KARDEX Shuttle® XPlus 4 at GUK GmbH & Co. KG – Specifications

Unit dimensions

Width	6,820 mm
Depth	2,921 mm
Height	7,850 mm
Number of trays	320

Performance data

Maximum vertical speed	up to 1.5 m/s
Maximum horizontal speed	up to 1.3 m/s
Storage/retrieval speed	up to 0.62 m/s
Payload	up to 450 kg per tray
Maximum gross loading capacity	up to 30 tonnes per Shuttle unit

Software

PowerPick 5000 with HOST connection to abasERP

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We will inform you about KARDEX storage techniques:

