

# BITO PROflow active

Intelligent live storage







“BITO PROflow – keeps going, and going ...”

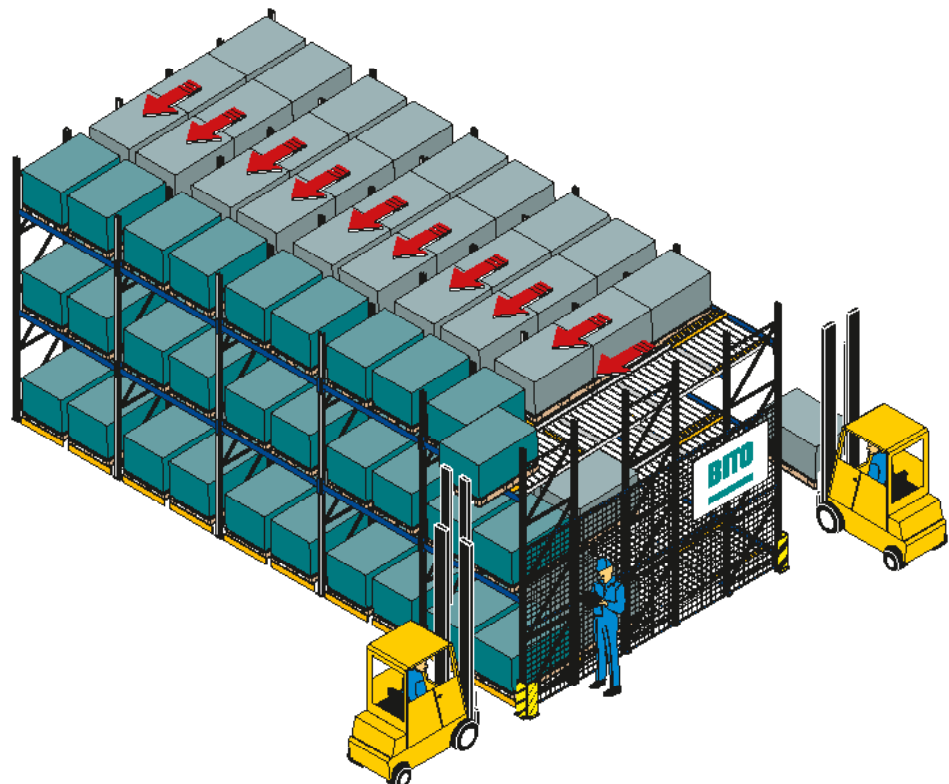




# BITO PROflow: Live storage at its best!

PROflow is the brand name of BITO pallet live storage. The FIFO principle (first in, first out) ensures the perfect rotation of stored products.

At the loading side of a racking block, pallets are fed into the lanes and move gravity-driven to the opposite side for order picking. When the first pallet at the picking side is retrieved, the other pallets move forward one position, thereby ensuring that order pickers always have sufficient supply at their disposal.





# BITO PROflow —

## Features and benefits

If several pallets with products of the same reference line are to be stocked in a defined order (FIFO, LIFO stock rotation), BITO PROflow is the ideal storage system.

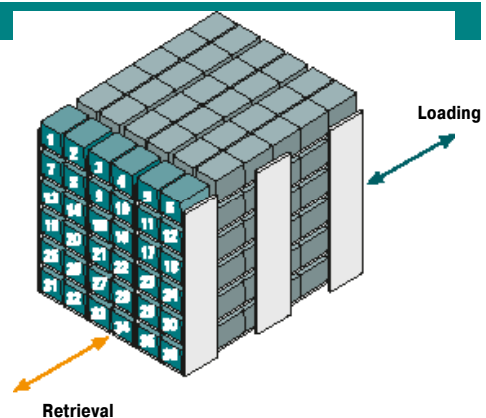
You want to provide your picking operators with a continuous supply of products? You want to eliminate workflow interruptions by keeping sufficient reserves in a supply store? You need a buffer stock in your goods-in or goods-out department? Then BITO PROflow is your best choice!

All items are in direct access at the picking face



### BITO Pallet live storage

- > Our illustration shows a storage installation that supplies 36 reference lines. All 36 reference lines are directly accessible at the picking face. Each item moves unassisted to the picking position. Sufficient replenishment quantities guarantee constant product availability.





# BITO PROflow –

## Benefits for our customers

### ■ Compared to bulk storage, live storage provides direct access to all reference lines on stock

> High degree of flexibility, fast order picking

### ■ Adherence to the FIFO principle (first in, first out)

> Easy control of sell-by dates, call-off quantities and production batches

### ■ No idle times

> The clear layout allows immediate product access thereby reducing process times and improving process predictability

### ■ Separate loading and picking aisles

> Undisturbed working, as lift truck operators cannot get in each other's way. This improves work performance and operational safety in your warehouse

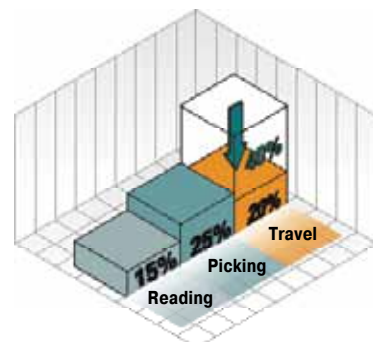
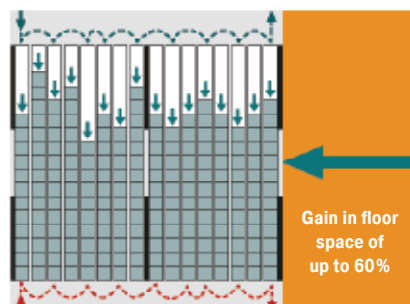
> Safe work environment

### ■ Reduced number of racking aisles, shorter in-house travel routes

> Gain in storage space by up to 60% compared to conventional pallet racking, lower energy consumption

> service trucks need less fuel or electricity as in-house travel routes reduce by up to 40%

## Key benefits for the customer







“BITO PROflow active – Intelligent live storage”



**BITO PROflow active**  
**The clever move!**





## BITO PROflow active = BITO PROflow<sup>2</sup>

The BITO PROflow active system operates with intelligent rollers. These Active rollers have a dual function: they give pallets a gentle start and prevent them from gathering too much speed in the lane. Active rollers ensure that a constant travel speed is maintained.

A smooth pallet start at the in-feeding side or in the lane is a definite advantage:

- > Speed monitoring ensures damage-free FIFO stock rotation of pressure sensitive goods
- > The start-up function gives pallets the gentle "push" that is needed at times for reliable pallet availability at the picking side
- > As loads do not get stuck in the lane, operators do not need to climb into the lanes in order to "free" pallets - a major safety risk is eliminated
- > The start-up function allows lightweight and heavyweight pallets to be stored in the same lane which is a real plus in handling flexibility for our customers

> **BITO PROflow active combines the benefits of the BITO PROflow system and FIFO stock rotation**



> **We also retro-fit existing racking installations. Ask us!**



## BITO PROflow active – Handling fragile products and FIFO storage are now compatible!

### Do you stock products that need special attention?

Products that can be easily damaged or have a high value should be handled with care.

The best way to prevent damage and resulting rejects is to work with a non-contact system that is able to separate loads on their way to the picking side.



BITO PROflow active is the ideal solution! Active rollers keep palletised loads at a defined distance from

each other. This prevents collisions and subsequent impact damage.



**NO  
DAMAGE TO  
PRODUCTS!**

**> Storing fragile goods is no longer a risk for warehouse operators!**



## BITO PROflow active – Top scores for product availability

### Do your products always come on A grade pallets?

Low quality pallets or damaged pallets can be the reason for standstills in the lane.

Pallets getting stuck in the middle of a lane cause interruptions of the workflow. Any operator of a live storage facility would like to keep this risk as small as possible - as well as the safety risk for his staff trying to get a pallet or a bulk of pallets going again by climbing into the lane. What is needed now is an intelligent system that is able to cope with flow stops.

BITO Active rollers have a dual function: they give start-up assistance to pallets and prevent them from moving too fast down the lane. Active rollers thus provide reliable speed monitoring and prevent blockage.



- > **Product availability at the picking side is clearly improved by the PROflow active system. Costs resulting from interruptions in the supply of goods for downstream operations are minimised. Safety at work is definitely enhanced with PROflow active as there is no need to climb into the racking.**

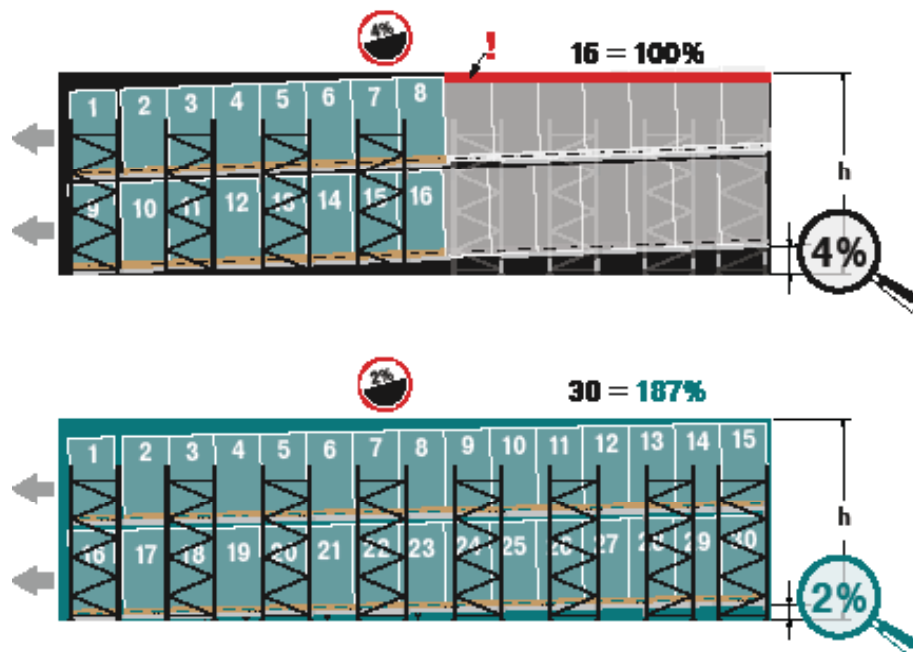


## BITO PROflow active – Increase your storage capacity!

### Do you want to make optimum use of your available space?

Gravity-driven live storage lanes usually have a 4% incline. This is to ensure that load carriers move from the loading side to the picking side. In racking facilities with several storage levels, the required lane incline cumulates which means that operators of an existing warehouse with a given height have to settle with less storage levels than intended.

- > The best way to optimise space utilisation in your warehouse is to opt for a system that can operate with a minimum incline without compromising on reliability and efficiency: BITO PROflow active!



By opting for BITO Active rollers with start-up function your live storage facility can operate with a lane incline as low as 2%.

- > This helps our customers make best use of their warehouse storage space and to save money when investing into a new warehouse



## BITO PROflow active – Prepare today for tomorrow!

Do you want to keep options open for future adjustments to your product range?



BITO Active rollers provide motion monitoring and speed control. Pallet loads weighing 50 kg as well as 1500 kg can now be fed into the same lane.

**50 -1,500 KG  
IN THE SAME  
LANE!**

A conveyor system that is able to cope with loads of any weight is a basic requirement for adapting to market demands.



Widen  
**the range**  
of your  
storage  
options!

BITO active rollers accept pallet loads ranging from 50 to 1500 kg

This allows our customers to adapt to market requirements immediately and with the same conveyor equipment since Active rollers accept a very wide range of weight options.

> We also retro-fit existing racking installations. Ask us!





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