

# PROMOBILE

**BITO**  
SYSTEMS

Mobile pallet racking

IMPROVE  
WAREHOUSE  
EFFICIENCY BY  
MAXIMISING  
SPACE

[www.bito.com](http://www.bito.com)





**PALLET  
STORAGE  
HAS NEVER  
BEEN  
EASIER!**

# WHY BITO?

For more than 60 years BITO has been counting among the market leaders in the storage & material handling industry and is known as a reliable and innovative partner in planning and realizing complex storage and picking solutions. Our clear focus on market demands has helped us maintain and strengthen this position. BITO innovations are inspired by the requirements of our customers and the needs of the industry in which our customers have to compete. With our expertise in the intralogistics field we are able to support our customers in gaining the competitive edge.

As one of the few full line providers in this field, BITO supplies shelving & racking, bins & containers, order picking and in-house transport solutions for all industries. BITO products and services range from catalogue products to large-scale systems, from shelving for workshops, factories and offices to compact pallet storage systems, from small sized storage bins to large volume containers for heavy-duty product handling. On top of this, BITO offers customers a concept-to-completion service for any project size – whether for complex and demanding storage installations integrating several shelving & racking systems or for automated bin or tray storage facilities. BITO – Your single source supplier.

BITO performs all project-related tasks from layout planning over project management to assembly and after-sales service. Your benefit: You only need to contact one person who works with the coordination and the implementation teams.

## MOBILE PALLET RACKING OFFERS A NUMBER OF CONVINCING ADVANTAGES

### BITO PROMOBILE – MOBILE PALLET RACKING IS **IDEAL FOR ...**

- + ... increasing storage capacity.
- + ... maximising warehouse space.
- + ... ensuring direct access at any time to all products of your range.
- + ... storing loads of different shape and size.

### TABLE OF CONTENTS

<b>3</b>	WHY BITO?
<b>4</b>	APPLICATIONS
<b>5</b>	THE SYSTEM
<b>6</b>	COMPONENTS
<b>8</b>	PROMOBILE SYNCHRO
<b>10</b>	VARIATIONS TO THE SYSTEM
<b>16</b>	SERVICE





SYSTEM

BITO PROMobile in use at »Hager-Papprint«

## THE SYSTEM

**Mobile pallet racking reduces the need for costly floor space. With the entire racking facility mounted on mobile bases, only one aisle needs to be open for picking at any one time. The other racking runs close together, enabling you to make optimum use of the available floor space. Each aisle or racking section can be opened and closed individually, ensuring 100% pallet availability. Instead of opening one aisle to its full width, you can also choose to have several operating aisles at a time that are still wide enough for truck servicing.**

- + Ultimate solution to maximising warehouse space
- + Significant savings on floor area and best use of roof height
- + Ideal for stock supplies and seasonal stores
- + Compacting inventory in cold stores and deep-freeze areas decreases energy costs
- + Higher investments will soon be outweighed by the benefits



# COMPONENTS

## BITO PROMOBILE RACKING

- + uses the same components as BITO pallet racking PRO – racking technology at its best made in Germany.
- + meets German and European safety regulations and standards.

## CARRIAGES

- + are robust and torsion-resistant.
- + consist of hot-rolled profiles and bracing to guarantee excellent stability and rigidity during carriage movement.



## ELECTRONIC CONTROL SYSTEM

- + Centrepiece of mobile pallet racking.
- + Developed by BITO.
- + Even under asymmetrical loads, the patented permanent distance monitoring system ensures that carriages move reliably in parallel.
- + Made of high-grade components.

## GUIDE RAILS

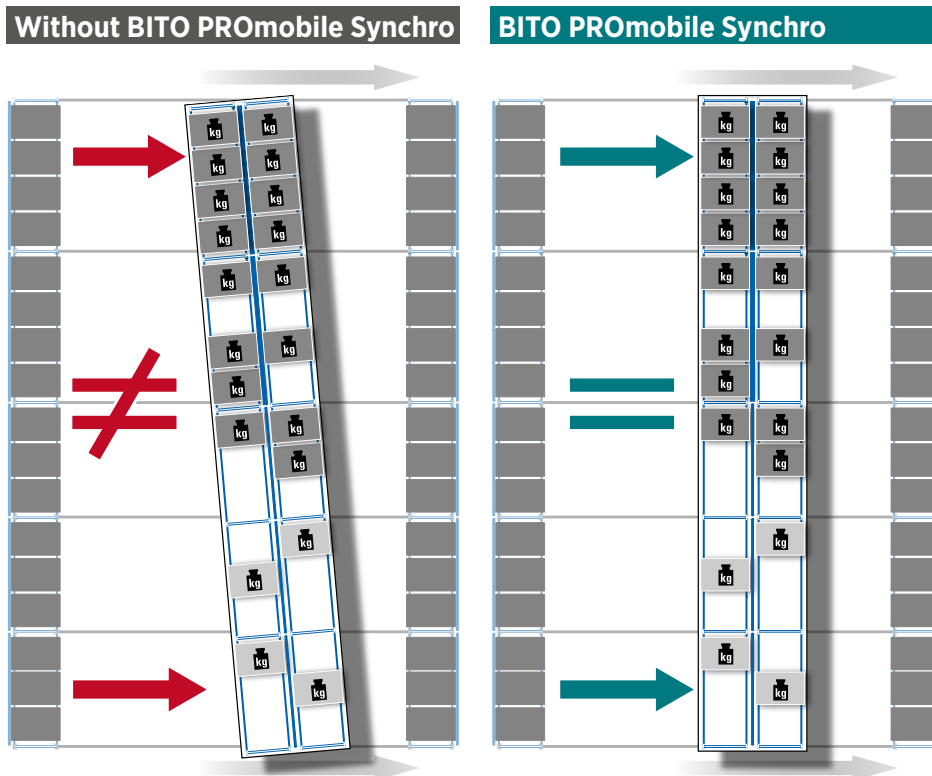
- + Rails can be supplied to fit all load capacities and applications.
- + Flat rails for use in existing buildings.
- + Crane rails for use with new flooring.

# PROMOBILE SYNCHRO: ACCURATE, PERMANENT DISTANCE MONITORING

## What is »permanent distance monitoring«?

- + BITO PROMobile Synchro ensures that the same distance between carriages is maintained at any given point in length during the entire aisle opening or closing action.
- + Electric motors have replaced conventional mechanical operation.

PATENT-  
REGISTERED



> If loads are distributed unevenly, racking runs tend to run askew.

> Electronically regulated motors in replacement of conventional mechanical operation.



## BITO PROMOBILE PALLET RACKING

### BENEFITS

#### + Lower operating costs

Permanent distance monitoring minimises wear and tear on wheels and guide rails. This reduces long-term operating costs and downtime.

#### + PROmobile Synchro can cope with uneven load distribution.

The permanent distance control system allows distribution of goods in any order on the racking levels. BITO PROmobile Synchro prevents racking runs from skewing by maintaining exactly the same distance between the runs. Circumstances with a risk of higher wear and tear do not occur. Vertical space is used in full.

#### + In-house travel routes for service vehicles can be optimised.

Goods can be loaded anywhere into the racking. Fast movers can be loaded at the beginning of a racking run and slow movers at the end. This reduces access times.



# BITO PROMOBILE RACKING WITH WIDE AISLES

A wide aisle configuration is standard in most mobile pallet racking facilities.

As a rule, these facilities are serviced with man-operated stacker cranes or order picking trucks. The aisle width depends on fork lift truck dimensions.

Servicing with man-up stacker cranes is also possible, since carriages have sufficient floor clearance.





# BITO PROMOBILE RACKING WITH NARROW AISLES

Narrow aisle racking allows high density storage by making best use of your floor space and roof height.

Rack servicing with narrow aisle trucks or order picking trucks is no problem, since the PROMobile Synchro system makes sure that racking runs always run parallel to each other during opening and closing actions.

Guide rails and inductive steering ensure perfect shipping accuracy of service vehicles.





# BITO PROMOBILE 4.0

With PROMobile 4.0, BITO offers a future-oriented solution

in line with the ever-growing trend towards fully autonomous systems. In order to prevent these systems from causing unintended harm to racking or staff, our patent-registered distance monitoring system SYNCHRO literally clears the way,

because any task that needs to be repeated continuously by automated guided vehicles needs reliable and accurate positioning of all components to the system.









## A GLOBAL PLAYER, STRONGLY ROOTED IN ITS REGION

Storage systems and material handling equipment made in Germany: We are a long established, medium sized family business, locally rooted, yet acting on a global scale. Ever since BITO was founded in 1845, our company headquarters including research & development as well as our production facilities have been located in our region. Our customer-oriented and innovative product range as well as our competence as full service provider made us one of Europe's leading intralogistics providers with currently more than 70,000 customers.

Since March 2007, BITO has been manufacturing shelving and pallet racking components in northern India for the Indian market as well as for neighbouring countries and the Middle East. BITO has formed a joint venture with the Indian firm Nilkamal Plastics Ltd.- Nilkamal BITO Storage Systems - to handle sales in these regions.

### **CLICK HERE FOR A LIST OF OUR LOCATIONS AROUND THE WORLD:**

<https://www.bito.com/nl-be/bedrijf/vestigingen-wereldwijd/>

### **OUR CUSTOMERS ARE OUR PARTNERS**

At BITO, we think that personalised and comprehensive customer support and direct communication are most important to provide exceptional and efficient customer service. Our dense network of regional sales representatives helps to ensure that a competent person is close to your location and can see you on short notice.

### **FINDING THE RIGHT STORAGE SYSTEM FOR ANY INDUSTRY, ANY PRODUCT AND ANY BUSINESS.**

We have gathered a selection of particularly interesting projects to demonstrate our ability to provide the ideal storage solution for the widely varying needs of different industries.

<https://www.bito.com/nl-be/referenties/>





BITO PROMOBILE.  
EFFICIENT, VERSATILE,  
ADAPTABLE TO YOUR REQUIREMENTS  
AND SAFE.

44

**BITO SYSTEMS NV**

Hoofdkantoor België:  
Boomsesteenweg 97  
B-2630 Aartselaar  
Tel.: 03 870 99 00  
Fax: 03 870 99 01  
info.BE-NL@bito.com  
www.bito.com

Kantoor Nederland:  
Bredaseweg 185  
NL-4872 LA Etten-Leur  
Tel.: 030 711 30 90  
Fax: 030 711 30 91  
info.BE-NL@bito.com  
www.bito.com

**BITO**  
SYSTEMS