

PUSH YOUR **WAY** FREE



The storage system

Move on and gain space

META MOBILE RACKS



META – The storage system.

Everything at a glance

META insight – Learn about us and mobile META MULTIBLOC® on the next pages



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Strong partnership with our clients and ...

Service with the human touch

«Nice to meet you»

We specialise in space utilisation to aid the business success of our clients. We have been achieving this for over 30 years. Our commitment to this specialisation remains. The highly modern nature of our operational processes and production methods guarantee quality, functionality of all META products.

We are represented in almost all European markets. Around 200 highly motivated employees bring to bear their experience, competence and vision every day to offer improved space utilisation and material flow to your business undertaking.

The best results are always achieved by combining human judgement and technology – using systems which are flexible and scaleable. In this sense our philosophy of service under the banner of “Nice to meet you” means we value the opportunity of personal contact and consultation with our clients. This philosophy runs from our initial consultations, specialised CAD design quotation service and project management to final installation.

Only real partnership produces effective synergies.

Clarity and openness produce trust and we will always give our frank assessment based on our technical competence which increases because of the varied demands of our clients. The development of new products and the improvement in detail of existing products is always the result of such close co-operation. Creativity can work best where there is genuine two way feedback.

For us at META partnership is not merely a word but our source of ideas.



Optimal space utilisation – to speed the success of your enterprise



... always on the spot

Widespread in service and

Comprehensive service

- 1. On the spot advice
- 2. Widespread dealer network
- 3. Project management service
- 4. Installation facilities
- Subsidiaries and dealers in Austria, Switzerland, Belgium, Netherlands, Luxembourg, France, Czech Republic, Denmark, United Kingdom, Poland, Slovakia, Hungary, Russia, Sweden, Romania and Bulgaria.



Aerial view of the Arnsberg production plant



View of our Arnsberg offices and technical centre

Layout advice for Storage equipment

You would not let your money lie idle – you want a return. Security, yield and access are the questions you ask yourself on investment decisions leading to success.

It's the same with your warehouse – it has enormous value on which you should get a good return – if organised correctly this is achieved by improved accessibility, ease of movement and improved material flow for all business operations. Make your resources work better – META will be able to offer the correct layout to greatly aid this better employment of capital resources.

Our team is here to support you



Chances exist where questions remain to be answered

To meet us is to know us

"If you want to look around us as a potential project partner you will always be a welcome visitor to us in Arnsberg – just let us know when you would like to come."

Push us to the test
– we expect it of you!



Yours sincerely
Eckhard Radke
Managing Director

Move on and pay back!

Advantages of mobile racking compared to static racking

The question „**static or mobile racking**” is often addressed when one is limited in available space and require more storage capacity. To built an entire new storage facility is easier said than done. With META MULTIBLOC® mobile racking system it is possible to find a solution to these problems that is both practical and economical.

Investing in such a system could be interesting when in a given space and situation, one want to expand valuable production space and do not want to loose storage capacity. Or want to reduce energy and/or building costs and require maximum warehouse utilisation – for example high density storage of frozen goods achieves double savings.

A mobile system can be fully integrated in a finished product warehouse – as buffer between production and dispatch department or as semi-finished warehouse in a production assembling area.

Compare static with mobile racking!

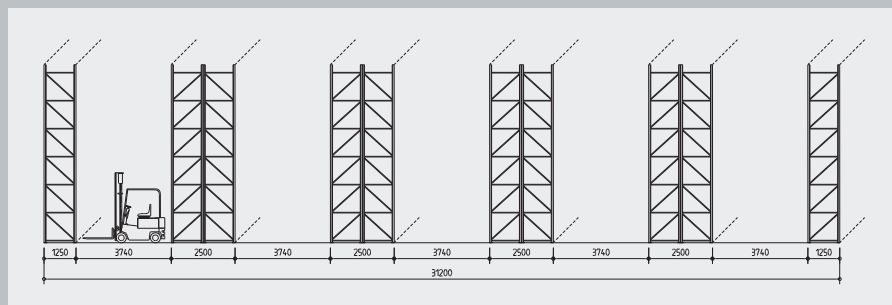
- Save ca. 50% space
- Relatively small usage of warehouse facility
- Increase in storage capacity

a gain of space

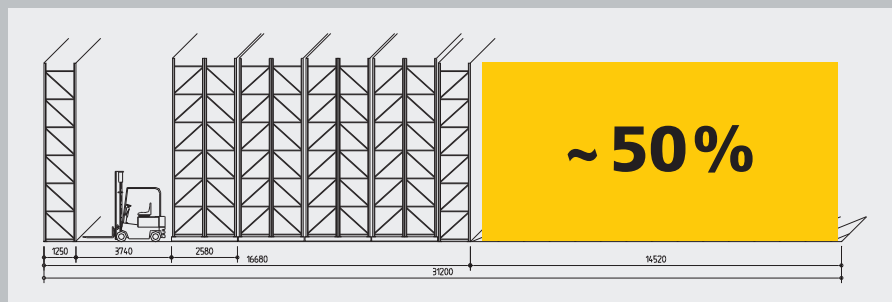
up to **50%**

increasing of storage capacity

up to **110%**



static racking operation with front stacker, Top level ca. 7000 mm



mobile racking a gain of space up to ~50%

With META MULTIBLOC® Mobile racking systems

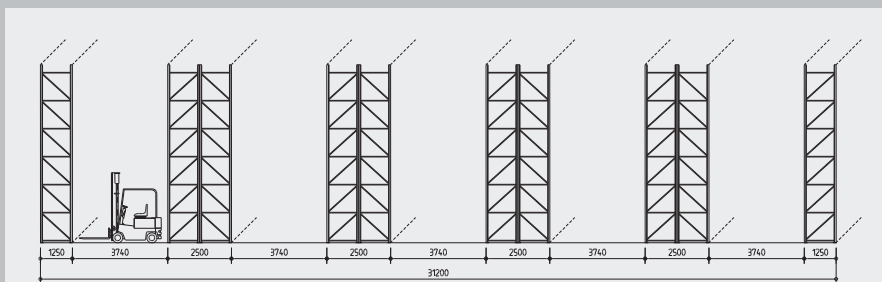
you either need only half of the space used or ...

Advantages of META MULTIBLOC® mobile racking systems

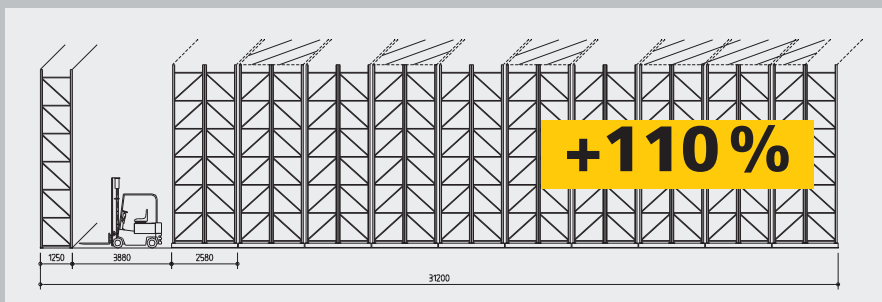
- Investment in a mobile racking system is less costly than to built completely NEW!
- Saves on energy and utility costs
- Valuable production area is gained back, better utilisation of gangways. Aisles will be opened there where we need them. High density storage is a fact.
- Mobile units can be altered, extended or shortened to changing circumstances
- Mobile units in combination with any META system
- META MULTIBLOC® works with and for any forklift application
- Different drive units available



META MULTIBLOC® will be applicable often in deep frozen warehouses



static racking for example: 10 rows



mobile racking increasing of storage capacity up to 110% = 21 rows

... almost double your storage capacity!



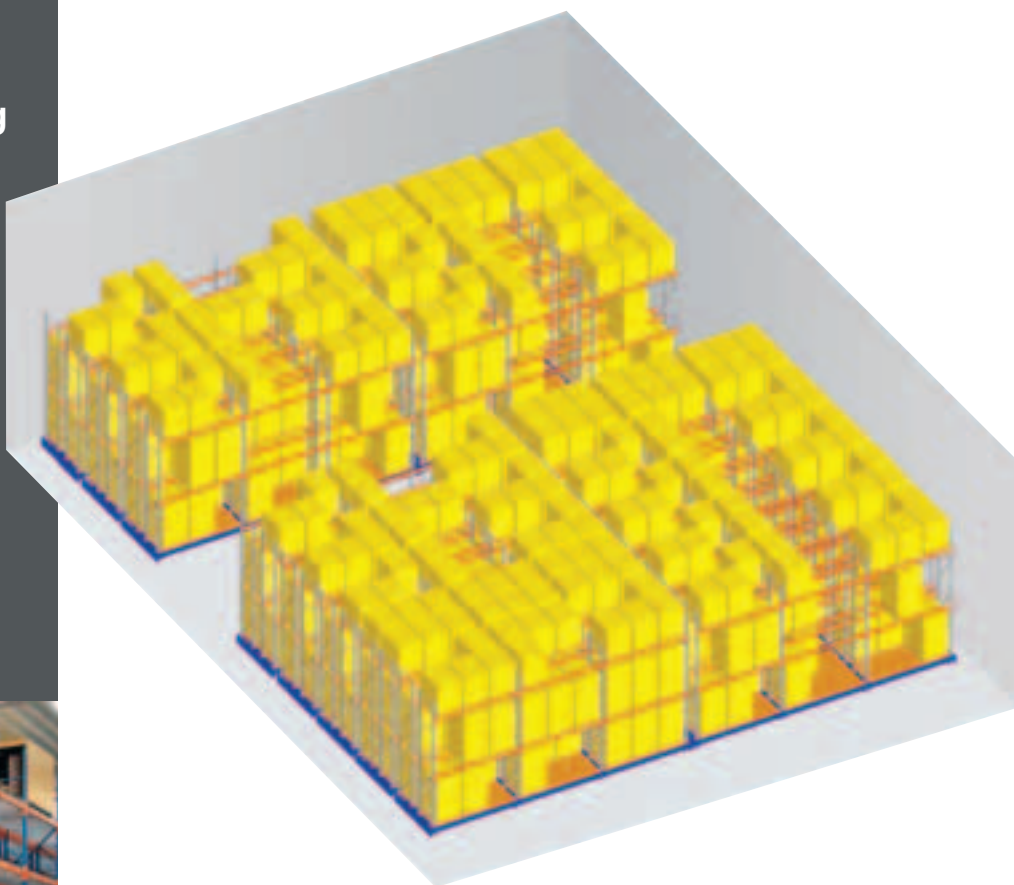
Assemble and Move on ...

META MULTIBLOC® mobile bases can be executed with all types of racking of the extensive META portfolio. The basic technique remains the same but when it comes down to details many solutions are possible for pallets, boxes, long goods, coils, ... you name it and we provide you the tailor made solution to move on.

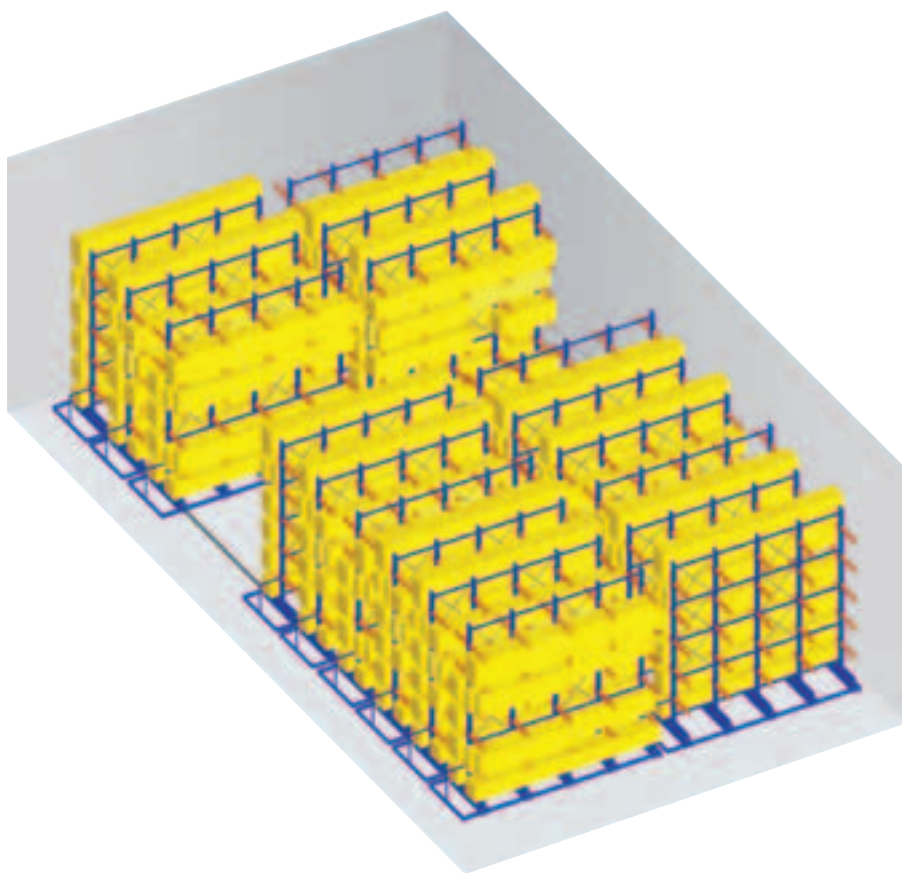


Drive elements for pallet- or cantilever racking

META mobile racking for pallets



Any racking, pallet or cantilever, can be assembled on the trolleys to one rigid structure for high loading capacities up to 22.500 KG per bay and up to 5.500 KG per bay section.



META mobile racking for long components storage



META – Always there for you ...

Planning, Project work, Service, Maintenance and After sales

Planning, project work and installations of a warehouse require specific know-how and experience. Our META team, particularly our qualified local technical consultants, can assist you in every stage of the project. With META you are in safe hands.

Planning ...

Our decades of experience in storage technology is our greatest business asset and profit for you.

A complete solution from one source. With this motto we offer you all the services and products you need, from technical advice, planning, project work, up to the assembly of your warehouse.

Your storage planning is in good hands:

META is **DIN and ISO 9001** certified

META Regalsysteme complies with **BGR 234**

META complies with **FEM 10.2.02**

META meets safety factor DIN 18 800 of the **Materiaprüfungsamt in Dortmund**

META is a member of **Fachverband für Lagertechnik und Betriebseinrichtungen**

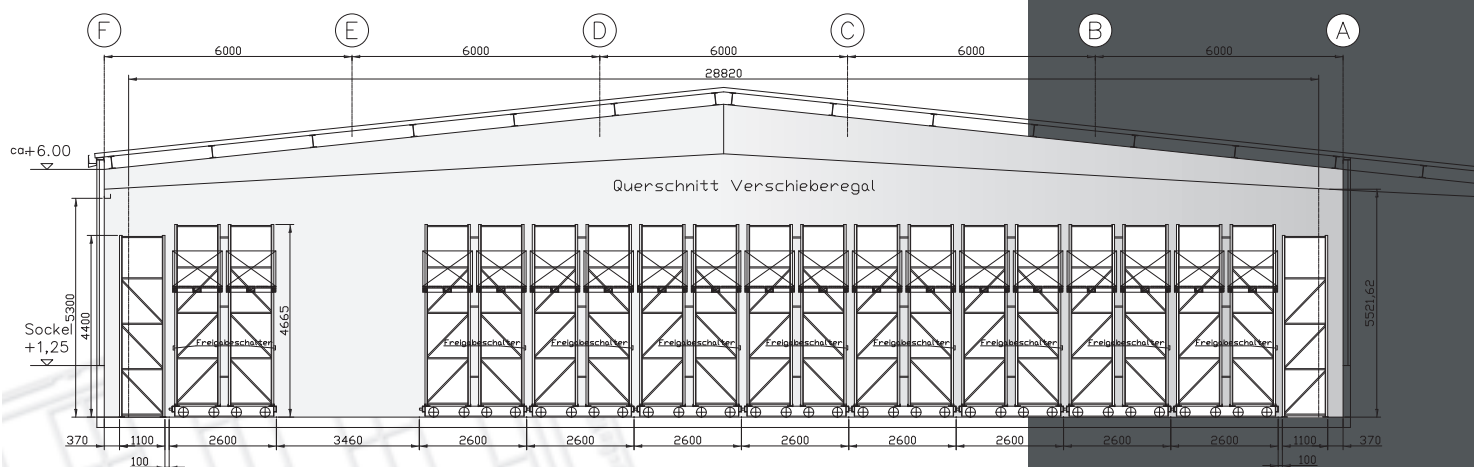
META is a member of Gütergemeinschaft **RAL/RG 614** in Hagen

META MULTIBLOC is certified according to **RAL 614/4**



Assembling requires know how and is executed by skilled mechanics.





Realisation ...

When you decided to invest into a META MULTIBLOC® mobile system than we assure you that our project managers and assembly teams have their routines to ensure a short installation period of a META MULTIBLOC® mobile system.

Designing, Planning and Assembling – in one company!



Service, Maintenance and After Sales ...

META MULTIBLOC® mobile systems are compatible with other racking from the META family and can be altered, extended or shortened to cover your changing conditions.

After thorough testing and inspection a certificate is issued with long life guarantee on the functioning and safety of the installation.

Jahresdurchsicht Wartung

META MULTIBLOC®
Verschieberegalanlage

gem. BGR 234 der gewerblichen
Berufsgenossenschaften § 6



META-Regalbau GmbH & Co. KG · Postfach 4360 · 59737 Arnsberg
Tel. 0 29 32/957-0 · Fax. -202 · infometa@JLU.de · www.meta-online.de

META MULTIBLOC® rails

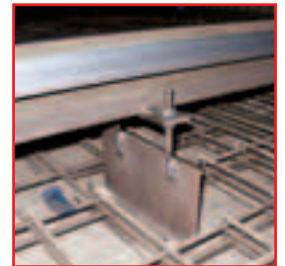
The right way for more storage capacity

META MULTIBLOC® mobile systems glide on running and guiding rails, which are mounted on the rough concrete floor. That offers you a unlimited usage of forklift trucks. The motor driven trolleys can be loaded up to 45 tons.



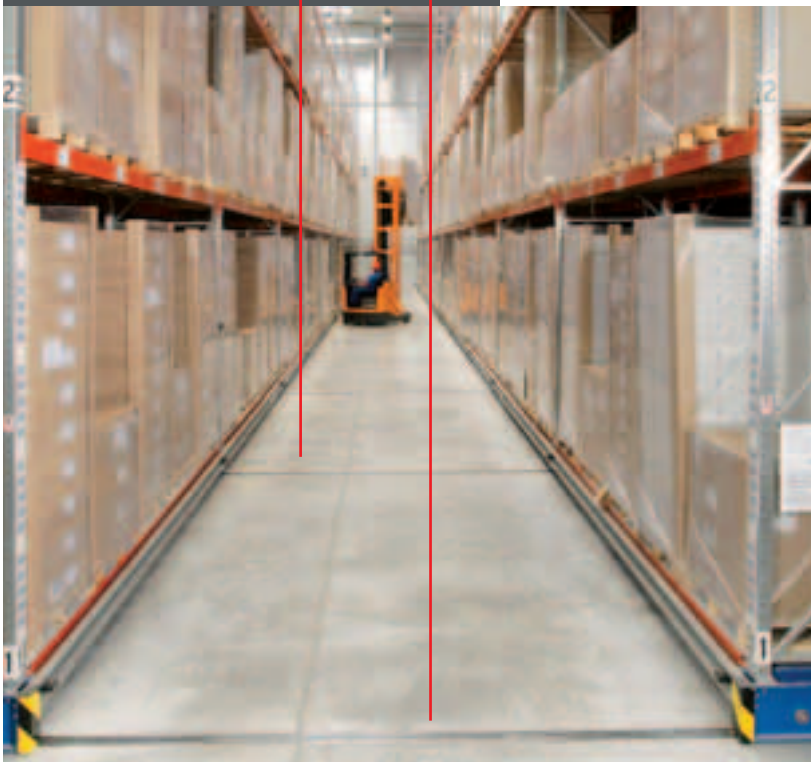
Rails assembly

The assembly of the rails should be carried out by a team of qualified engineers to ensure precise and safe movement and reliable operation of the installation.

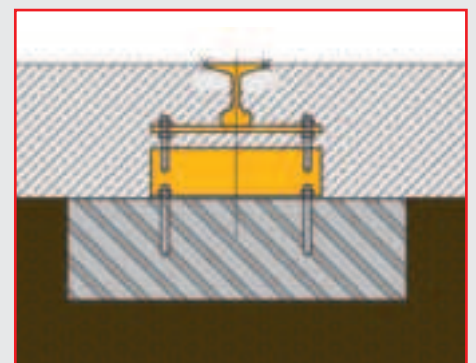


guiding rail

running rail



different rail systems



running rail

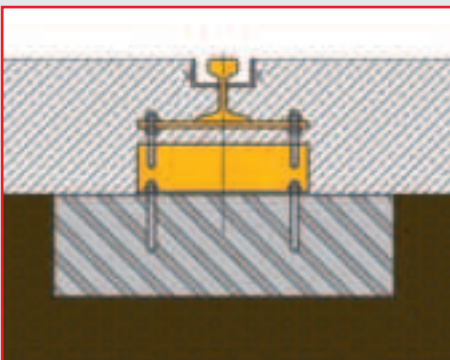


In either a new building or after cutting concrete in a existing situation the rails are mounted on the rough concrete floor.

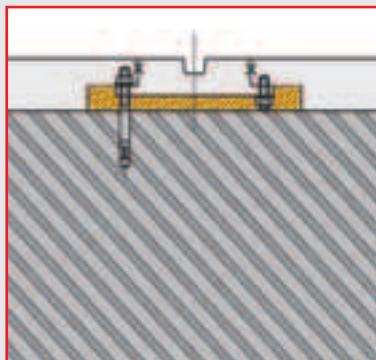
The rails are levelled according to RAL RG 614 on approx. 1 mm.



Important: The floor where the rails and installation is mounted on need to be checked by an engineering to verify if the floor can meet the loads of the entire installation!



guiding rail



different version of guiding rail



Case Studies

META MULTIBLOC® in use, combined with META MULTIPAL® pallet racking



Operation with front stacker



All levels equipped with MULTIPLEX boards



Night switch: evenly spreading of aisles for different using



Stocking of axis and gear boxes



Three blocs side by side

Increasing of storage capacity

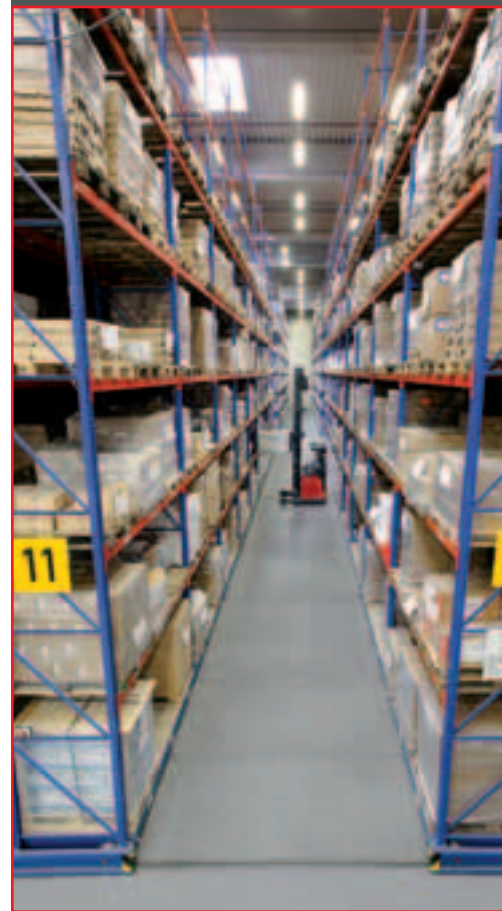
META MULTIBLOC®: doubling of storage area



The storage system



Printing & logistic branches



Operation with reach truck up to 10 m height



Case Studies

META MULTIBLOC® in use, combined with
META MULTISTRONG® S cantilever racking



Cantilever racking equipped with metal mesh each level



What makes the wheels turning/running ...

META MULTIBLOC® driving elements

High/quality components guarantee precise and safe movement and reliable continuous operation.

Driving elements of the trolleys

- Each section of the trolley has its own electro driven motor with shaft bearing. The geared motors simultaneously act upon all the wheel of one longitudinal side. It goes without saying that the drive units are operationally reliable for continuous running and low maintenance.
- Trolleys can be moved single or by block with a speed **of 4,5 m/min.** Simultaneous movement of the trolley saves time and improves speed of handling. Every single trolley is driven individually and thus causes lesser damage by usage of loads.
- Large installations up to **50 meters trolley lengths, 11 meter in the height and load capacity up to 22,5 tons** per bay are possible and working.
- Electrical components comply with **VDE 0100.**



Detailed view on the maintenance free gear motor



Drive elements with stop incl. a stop unit at the rail



Magnetic switch at both outer drive elements



Light sensor at backside of each drive element



Each drive element equipped with rubber pad each



Everything runs according to plan!

META MULTIBLOC® Control types and elements

Control types

We have applied the highest industrial standards to guarantee maximum reliability.

- Central control for all trolleys through a Stored Programmable Control (SPC) with Text Display Unit
- Radio Frequency controlled from fork lift truck to operate the trolleys
- In situ control (manual control) at each individual trolley
- Option individual trolley or block movement
- Normal aisle control / aisle with maximum opening of 3000 mm
- Night positioning / Fire protection positioning/Narrow aisle control / all aisles open at same distance
- Light switch – is switched on when required

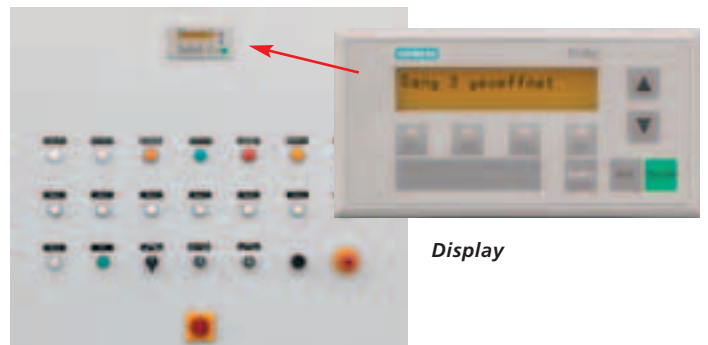


Radio-controlled

*Outside view of control cabinet. Equipped with glass panels to be able to see the LED's
small photo: look inside the cabinet*



Operation with radio-control on the forklift: move the drive elements while drive towards the racking



Display

... but safety first!

META MULTIBLOC® Safety devices

META

The storage system



Electricity supply at the backside of racking with cables



Light barrier in front of racking



Emergency stop at each drive element



Push button clearing



Light barrier in the aisle

Safety systems on each trolley

- Emergency button
- Light barriers for aisle protection
- Drive in and drive out control

Further equipment on demand

- Flash lights on top of drive element
- Possible alignment to existing warehouse management systems
- Date set for analysis from outside



Forklift detection

META offers you even more ...

We do not know what you would like to store but we know we have already developed a solution for your application.

We would be pleased to send you more details on any of the products listed below. Simply photocopy this page with your information requests marked and send to the fax number at the foot of this page. Don't forget to put your own details so we can respond.

Shelving

☐

Pallet racking

☐

Cantilever racking

☐

Mobile racking

☐

Mezzanine floors

☐

Current catalogue – storage systems

☐

Current catalogue – office shelving

☐

■ Contact name

■ Company name

■ Street

■ Town / Postcode

■ Telephone

■ Fax

We would like an on site consultation
Please contact us on the above telephone number
to arrange a mutually convenient appointment.

☐

Contact name

META – The Storage System.