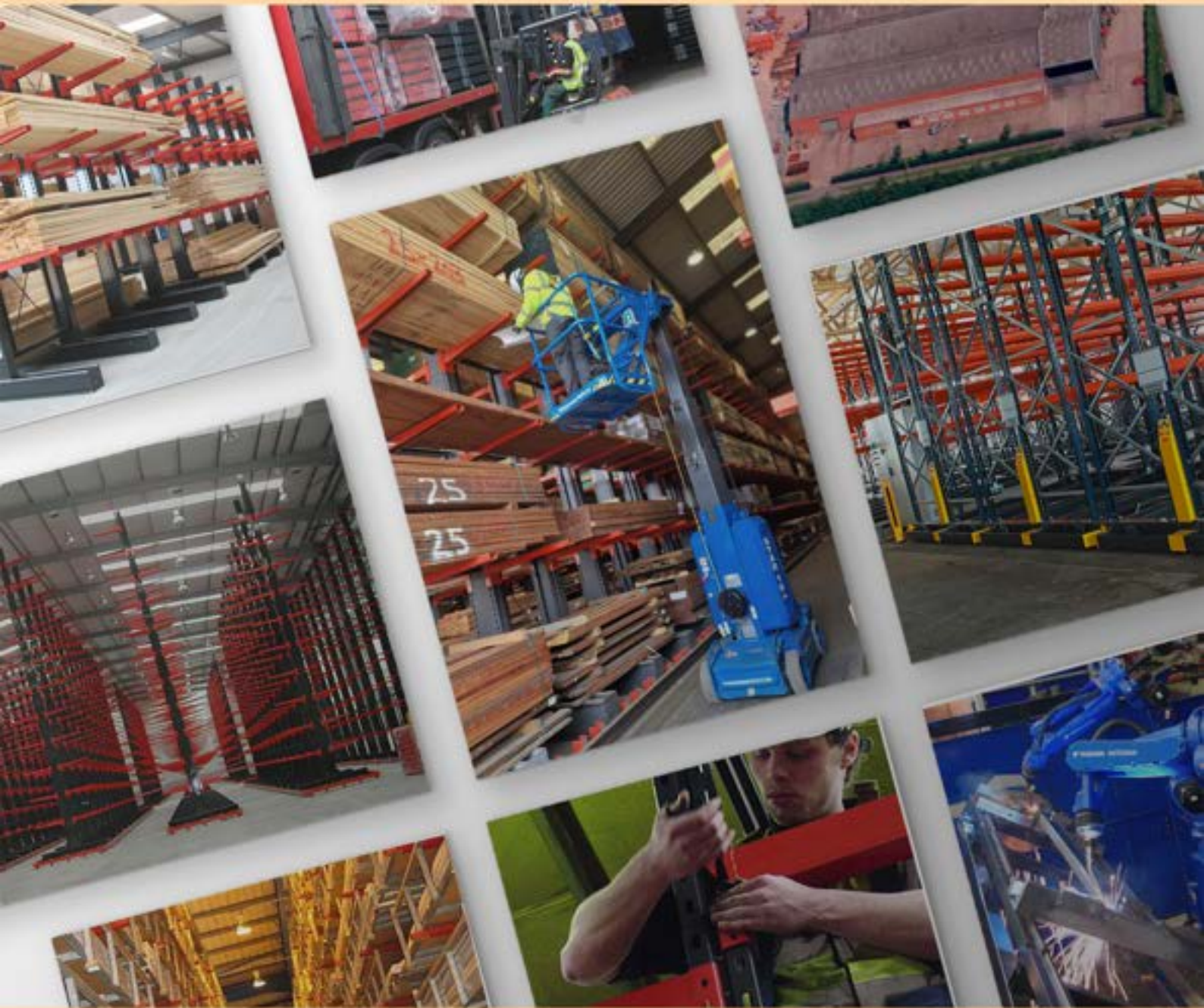


# STAKAPAL

Leading UK Manufacturer, supplier & installer  
of industrial racking



## PALLET RACKING

A versatile & adaptable solution for static & dynamic pallet racking storage



Over 55 years ago Stakapal began to develop its' credentials as a major force within the UK market place at that time for steel construction and fabrication work. Very soon after, the business began the journey of developing racking technology having a flexible and responsive attitude to the needs of the customer.

Our aim is to always ensure that we maximise the benefits of our product design in terms of engineering, quality and cost effectiveness.

## **2000 SERIES PALLET RACK...**

### **A STAKAPAL INVENTION**

Stakapal 2000 Series storage systems were created to ensure that the strongest and most robust structures became available to our expanding list of clients who operate in a wide and diverse set of market sectors. With many years of experience very specific to warehouse layouts and design, a continuous exchange of views with our customers has enabled us to refine our product portfolio.

No matter how simplistic or sophisticated the requirements may be, we develop every time a specific made to measure system to suit. The 2000 Series Pallet Racking system with its extensive and flexible range of sections is completely adaptable to meet your needs.



## WIDE AISLE ADJUSTABLE PALLET RACKING

Adjustable Pallet Racking is the most commonly used storage system for all palletised and non-palletised loads. Single or double-sided runs of racking are separated by wide aisles, which can be sized to suit the customers existing fork-lift truck.

- 100% accessibility to individual pallets
- Highly versatile adjustable beams mean that the system can be designed to suit all pallet sizes to maximise space utilisation
- Use of conventional forklift trucks therefore cost-effective
- Easily installed or repositioned.



Wide Aisle Adjustable Pallet Racking

## DOUBLE DEEP RACKING

Double deep racking is created by placing two double-sided runs together. Pallets are stored two deep and accessed using special trucks with pantograph or telescopic forks.

- Greater use of floor space by reducing number of access aisles
- Less distance for forklift truck to travel
- Increased storage capacity
- Better space utilisation
- Not suitable for rapid stock rotation, first pallet in is the last one out.



Double Deep Racking



PERFORMANCE OF RACKING SYSTEM	ADJUSTABLE PALLET RACKING	DOUBLE DEEP RACKING
Use of floor space	50%	70%
Use of height	70%	70%
Access and throughput	80%	60%
Access to individual pallets	100%	50%
Occupancy rates	90%	70%
Stock Rotation	60%	40%
Ease of management and control	60%	60%
Specialist handling equipment	No	Yes
Ease of relocation	100%	100%
System adjustability	100%	100%



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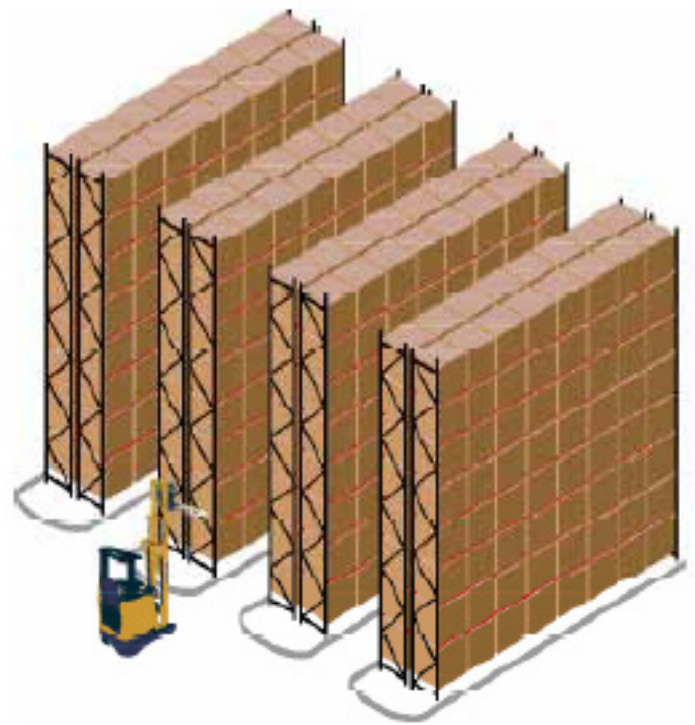
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## NARROW AISLE RACKING

Adjustable Pallet Racking is the most commonly used storage system for all palletised and non-palletised loads. Single or double-sided runs of racking are separated by wide aisles, which can be sized to suit the customers existing fork-lift truck.

- 100% accessibility to individual pallets
- Highly versatile adjustable beams mean that the system can be designed to suit all pallet sizes to maximise space utilisation
- Use of conventional forklift trucks therefore cost-effective
- Easily installed or repositioned.



**Narrow Aisle Racking**



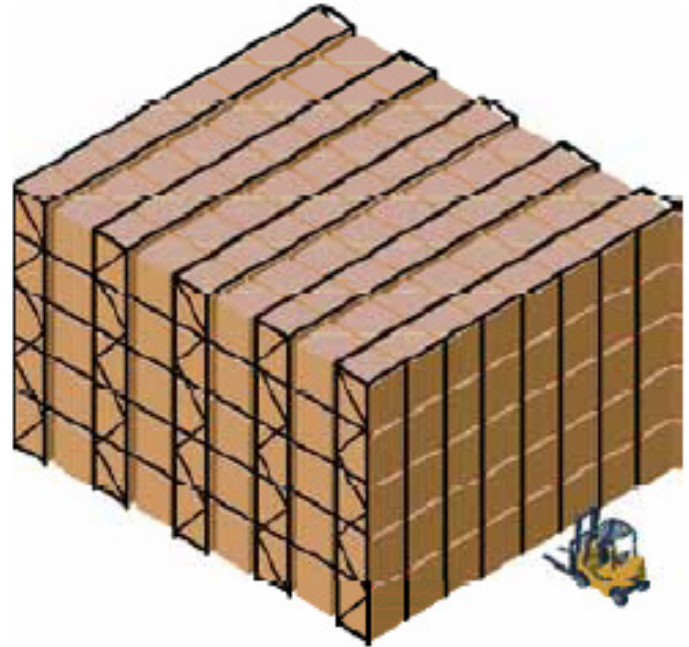
PERFORMANCE OF RACKING SYSTEM	NARROW AISLE RACKING
Use of floor space	60%
Use of height	80%
Access and throughput	80%
Access to individual pallets	100%
Occupancy rates	90%
Stock Rotation	60%
Ease of management and control	60%
Specialist handling equipment	Yes
Ease of relocation	100%
System adjustability	80%



## DRIVE-IN & DRIVE THROUGH RACKING

Drive-In Racking is used where high density storage is required. It is frequently used in facilities with a low number of product lines. Pallets are stored in a block configuration with two blocks generally served by one operating aisle.

The trucks drive into the racking to load or retrieve pallets which are stored on pallet rails running front to depth within the system. The first pallet in is the last pallet out unless a Drive through system is deployed whereby pallets can be loaded or retrieved from either side.



- High density storage maximising cubic space and economical with greater number of pallets stored per cubic metre than any other storage system
- Low stock rotation ideal for seasonal goods and fluctuating stock demand
- Ideal for cold, chill storage and bulk storage applications
- Suitable for easily damaged or fragile goods which cannot be bulk stacked.

Drive-In – Drive through Racking



PERFORMANCE OF RACKING SYSTEM	DRIVE-IN AND DRIVE THROUGH RACKING
Use of floor space	80%
Use of height	70%
Access and throughput	50%
Access to individual pallets	40%
Occupancy rates	60%
Stock Rotation	60%
Ease of management and control	60%
Specialist handling equipment	No but restricted
Ease of relocation	70%
System adjustability	100%





## KEY STRUCTURAL COMPONENTS

Stakapal's 2000 Series is based upon extensive research and development over many years, designed and built to exceed current UK (SEMA) and European standards.

### UPRIGHTS

- Widths 100mm
- Adjustable on a 75mm pitch
- Totally reversible upright
- Robust bolted bracing

### BEAMS

- 4 Tang connectors
- 5 Tang connectors
- Wide range of box section profiles



#### CHARCOAL

Standard finish  
for frames

#### STAKAPAL RED

Standard finish  
for beams

#### GALVANISED

Hot dipped galvanised  
for outdoor applications

Other colours are available upon request.

# SAFETY ACCESSORIES

## HEAVY DUTY RACK END BARRIERS



A heavy duty rack-end barrier designed and manufactured to withstand the challenges of everyday warehouse activities. This product is produced specifically to suit customer requirements.

## LIGHT DUTY RACK END BARRIERS



An economical option to the heavy duty barrier whilst still improving overall safety on end of aisle positions

## UPRIGHT POST PROTECTOR



A standard post protector manufactured from a single piece of steel assists the preservation of up-rights from risk damage.

## CORNER UPRIGHT PROTECTOR



Formed from a single piece of steel, the corner protector can be positioned at the end of runs to protect the base of the frame.

# OTHER APPLICATIONS



Vertical Storage



External Storage



Cantilever Racking



## CONCEPT

CONSULTANCY  
PLANNING  
FINANCING

Leading UK Manufacturer, supplier & installer  
of industrial racking

## TECHNOLOGY

STATIC SYSTEMS  
DYNAMIC SYSTEMS  
STEEL CONSTRUCTION

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## SERVICE

DESIGN  
MAINTENANCE  
INSPECTION SERVICES  
INSTALLATIONS  
TRAINING  
SPARE PARTS

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