

# **KIMER**

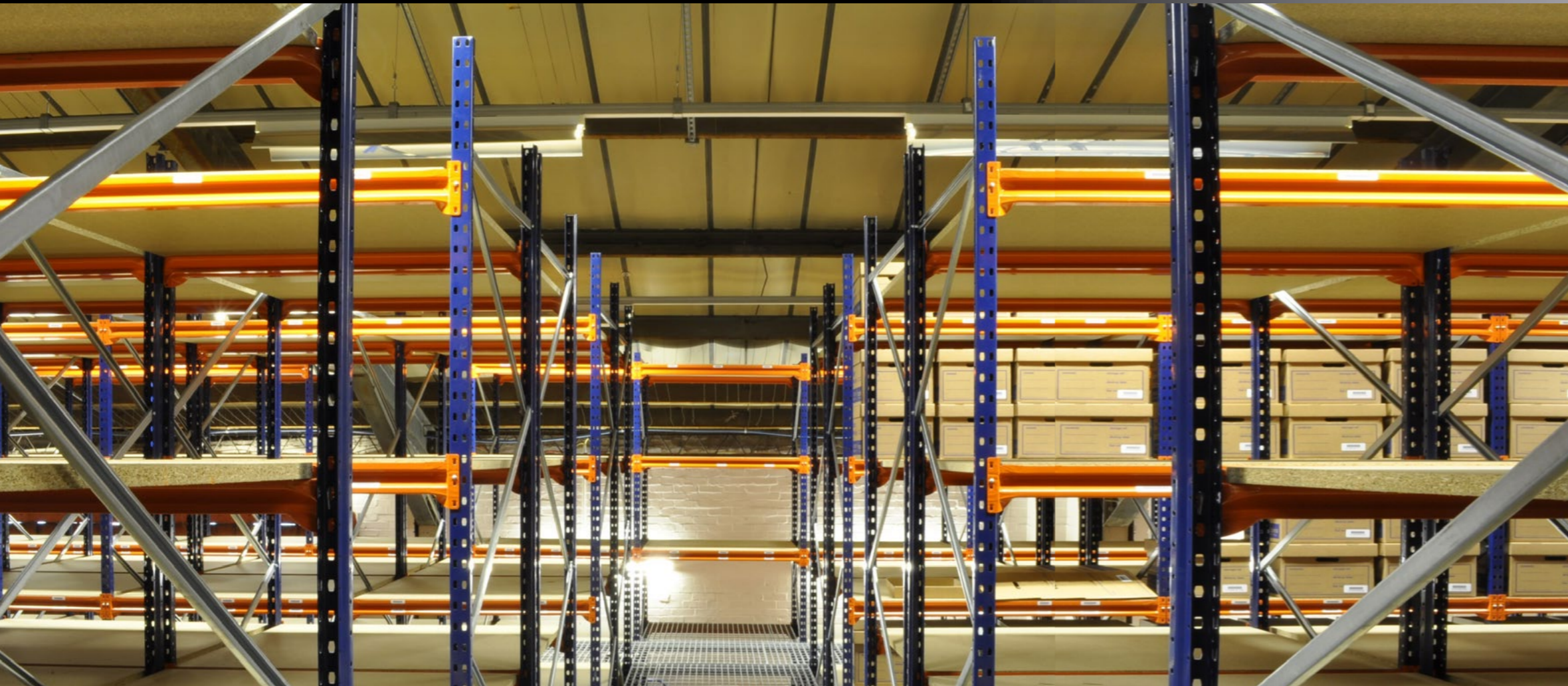
We create space



Since 1963



## **Longspan**



## Advantages

**Possibility of creating levels with metal shelves or chipboard panels.**

**Flexible system.** Easy to install, modular and expandable

Adaptability. Offers a wide range of accessories, allowing it to adapt to different needs—a versatile storage solution.

**Guaranteed quality.** Complies with FEM standards and has been tested by the Polytechnic University of Valencia.

**High load capacity.** Supports up to 5 tons of goods per module, and even 1 ton per level.

**Very robust product.**

**Competitive price.**

## Description

The Kimer longpan racking is the optimal solution for manual storage of medium-sized products.

It is the most robust system on the market, designed for the storage needs of the most demanding customers. It allows immediate access to all load units.

The wide range of accessories available enables us to adapt to all requirements.



## Applications

It is the most suitable product for handling manageable items with varying shapes (preferably packaged).

**Large warehouses, even with high stock levels.** Taking advantage of the possibility to create different heights and maximize available space.

**High turnover:** The picking shelving can be converted into dynamic shelving by incorporating roller tracks with a slight incline that allows boxes to slide by gravity at a controlled speed to the opposite end.



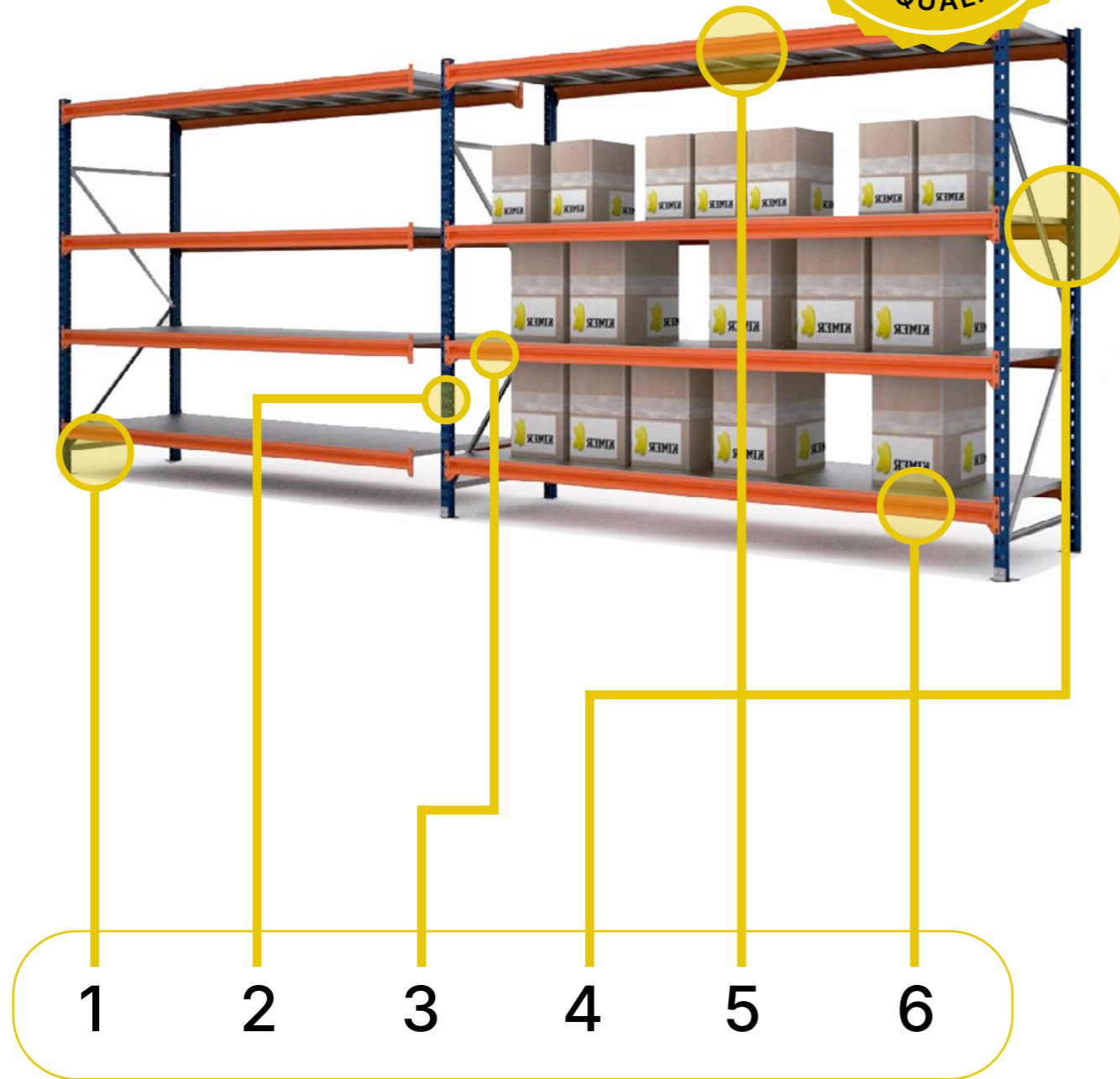


**We create space**



Since 1963

"The most robust manual loading system on the market."



## 1 Chipboard protected by the beam

The chipboard panels is protected against impacts and it allows a greater useful space for storing products.



## 2 Upright

Many bends for excellent resistance. Same uprights can be used for extension modules.



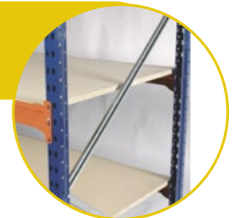
## 3 Stamped beam

Stamped beam connectors offer a more uniform finish and prevent potential welding defects, making the system safer.



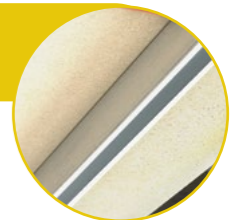
## 4 Longspan frame

**Kimer** offers three upright models to better adapt to your specific needs.



## 5 Reinforcements

Easily installed without screws and hidden beneath the board.



## 6 Metal shelves

**Kimer** applies small longitudinal folds to each shelf for increased rigidity.





## Finishes

### Painted

**Kimer uses only high-quality epoxy paint with a glossy finish.** We have the most modern machinery to ensure the best corrosion protection, without sacrificing a uniform and aesthetic finish. Our automated robotic tunnels apply the following treatments:

Degreasing.

Phosphating: **Kimer** does not use any polluting elements in this process.

Rinse with running water.

Rinse with demineralized water: Water used in our facilities is treated by reverse osmosis to be reused.

Painting with M-1 fire-retardant paint, in accordance with UNE-23.727-90 standard, applied via electrostatic projection.

### Galvanized

**At Kimer, we only use top-quality materials.**

We exclusively use galvanized steels **with a Z275 or higher quality rating.**

Thanks to this high-quality coating, which contains more zinc, our systems do not require any additional treatment to resist oxidation under normal indoor conditions.



**Upright:** Blue RAL 5003

**Beams:** Orange RAL 2004

**Feet and cross braces:** Galvanized steel

### GALVANIZED FINISH





## System components

- 1 FRAME
- 2 BRACES
- 3 UPRIGHT
- 4 FRAME FOOT
- 5 SAFETY PIN
- 6 METAL SHELF
- 7 BEAM



### R&D DEPARTMENT

Kimer works with the most advanced tools on the market, allowing us to meet even the most specific storage needs.

Our engineering team will develop the right solution for your warehouse requirements.

We create space



## Frames

Composed of two posts, cross braces, and their corresponding bolts, **the frames form the basic structure of picking systems.**

**The frame depth is determined by the size of the goods to be stored.**

### Upright

Made from cold-rolled steel profiles. They feature a sequence of perforations spaced every 50 mm to allow beam placement.

**Kimer offers three upright models, available in galvanized or blue RAL 5003 painted finishes:**



UPRIGHT 522



UPRIGHT 525



UPRIGHT 526

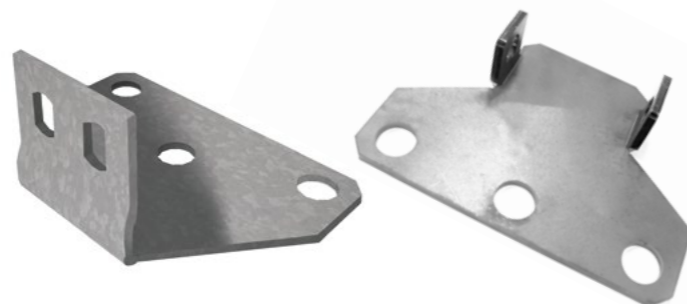
**Load capacities**  
From 2,750 to 5,300 kg per module.

**Frame heights**  
From 2 to 8 meters.

### Picking foot

**The foot's role is to transfer the frame load to the floor and prevent displacement.**

Depending on the load and post model, different foot models may be used (PK-NR).



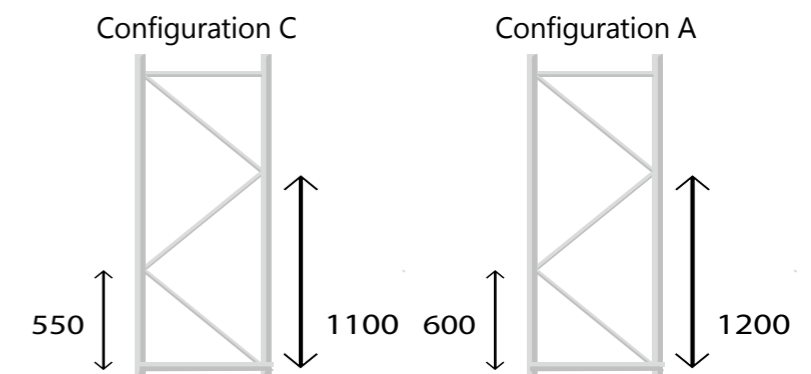
FOOT NR 52

FOOT PK

### Cross braces

**Metal components placed horizontally or diagonally that connect the posts.**

Available in two configurations: 550 and 600 mm.



Standard depths								
400	500	600	700	800	900	1000	1100	1200

Measurements in millimeters.

### Safety pin

**Prevents accidental disengagement of the beam from the upright.**



### Leveling plate

**Required if the floor surface is uneven where the racking system is to be installed.**

**Kimer offers various thicknesses of leveling plates to ensure perfect system alignment.**





## Beams



## Welded

**Horizontal components placed between frames that form the load levels.**  
They directly support the stored goods and connect to posts via connectors on both ends.

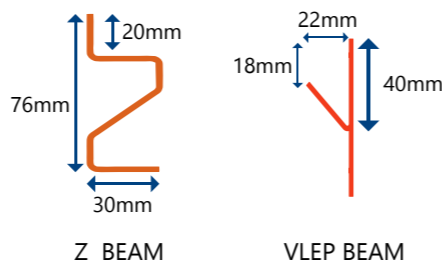
The number of beams and load levels depends on the quantity and size of stored items. Kimer offers a wide range of beams, divided into two categories:

### Stamped

Thanks to its R&D department, Kimer offers Z beams that do not require connector welding.

This ensures a consistent finish and eliminates weld failure risks that could compromise warehouse safety.

Available in galvanized and orange RAL 2004 painted finishes.



**Kimer offers the widest range of picking beams on the market:**

Z beams with welded connector, double C beams, tubular beams, and our 73 and 104 stepped beams for picking.

**Kimer recommends welded 2C and TB beams for:**

- Mesh shelf levels
- Very heavy products
- Long spans
- Walkway levels
- Tire storage



**TB Beam**



**2C Beam**

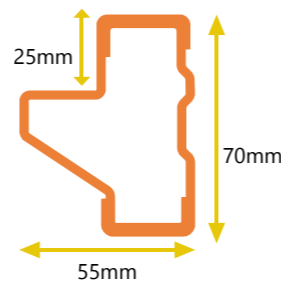




## Stepped beams

Stepped beams are the most robust and aesthetic solution for picking systems.

Two cold-formed beams are welded together and to the picking connectors, giving them high load capacity.



DIMENSIONS	950	1150	1350	1500	1850	2250	2400	2700
<b>ESC 73</b>	2.300	2.000	1.800	1.500	1.480	1.200	1.100	1.000

For higher load needs, Kimer also offers the ESC 104. Contact our technical department.

Both metal picking shelves and chipboard panels are hidden and protected by the beam, making them the most aesthetic choice for customer-facing areas.





## Metal shelves

The Kimer metal shelf is the ideal solution for picking level configuration. Compatible with Z stamped beams, Z welded beams, and stepped beams 73 and 104.

It features two central reinforcements to increase load capacity.

Available in 150 and 300 mm widths and in various lengths to match all frame depths.

Kimer offers special widths to accommodate a level that isn't a multiple of 150 or 300 mm on stamped beams. These are also required for welded beam versions.

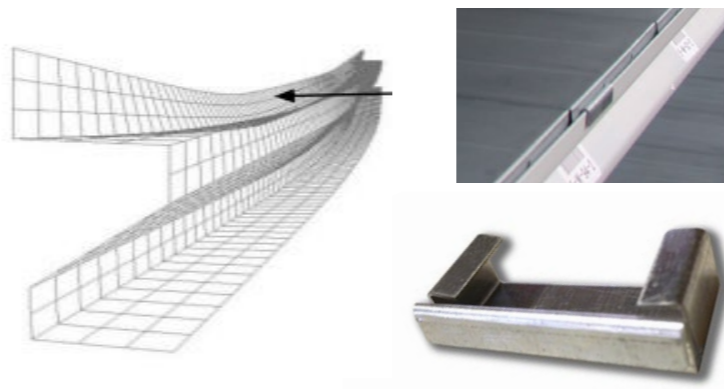


The metal shelf fits inside the beam edge, preventing possible cuts.

## Picking shelf clip

To prevent longer beams from opening over time and to allow for a more aesthetically pleasing installation, Kimer recommends using the shelf-picking clamp.

Use two clips, one in the center of each beam, joining both beams to the shelf.



## Chipboard panel

All Kimer picking beam versions can accommodate chipboard panels. Based on the beam model, the following thicknesses are recommended:

- VL E.P. Beam:** 16 mm and 19 mm
- Stamped or Welded Z Beams:** 19 mm and 22 mm
- Stepped Beams:** 22 mm
- TB and 2C Beams:** 19 mm and 22 mm (requires TAM retainers to prevent sliding).



## Finishes

### Chipboard



### Melamine board





## Reinforcements for chipboards

## Vertical dividers

### Z beam reinforcements

#### Picking reinforcement

Easy to install and hidden behind the beam. It does not reduce usable space. Depending on load, frame depth, and beam thickness, more or fewer reinforcements may be required. (Consult our technical department.)



#### Reinforcement Tie Rod

Highly recommended for certain Z beam lengths to prevent beam opening under load. (See pages 15 and 17 for more info.)



### TB, 2C and stepped beam reinforcements

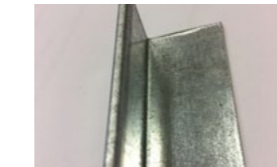
#### Flat reinforcement

Mainly used to reinforce chipboard panels on stepped beams 73 and 104.



#### TAM clip

Prevents Z beam torsion at the chipboard joint. Highly recommended for longer lengths (see page 15).



#### TAM retainer

Galvanized steel part that prevents chipboard from sliding off TB and 2C beams.



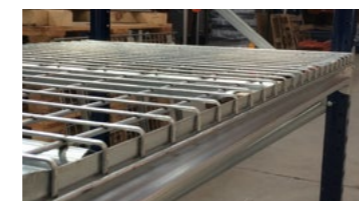
#### TAM reinforcement

Mainly used to reinforce chipboard on TB and 2C beams.



### Metal mesh

Wire mesh welded grid that includes more or fewer reinforcements depending on load requirements. Compatible with Z stamped beams, welded Z beams, 2C, and tubular beams.



This is the ideal solution for allowing water from sprinkler systems to reach all load levels.

### Straight divider

Used for horizontal storage of long products. Can also divide loads vertically.



### U-tube divider

With two support points, it safely separates vertically stored goods.



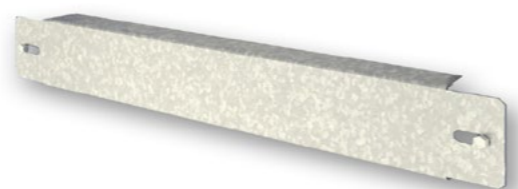


## Joins

## Accessories

### U-tubular separator

Steel component used to reinforce the connection between frames and ensure system stability.



### Frame splice

Used to join two upright sections, allowing the increase in height of existing shelving units.



### Wall bracket

Steel component that anchors the frame to the wall, ensuring and maintaining system stability.

### Mesh back panel

Prevents stored items from falling. Recommended when the shelving is adjacent to work areas.



### Side panels

Optional safety components designed to prevent merchandise from falling off the side of the shelf.

They can only be installed on the starting and ending modules. Available in mesh or metal versions.

### Signage accessories

**Identification Plate:** Rectangular plate located at the end of the shelving, angled for optimal visibility.

Its main function is to serve as an alphanumeric identifier to distinguish between shelving units.

**Specifications Plate:** Rectangular plate detailing the technical specifications of the installation. It must be installed in a visible location.





## Accessories

## Hanging garments

### Upright protectors

Made of 400 mm high metal plates, their main purpose is to **prevent damage caused by accidental forklift impacts.**



### Base plate

U-shaped profile that distributes the load more evenly to the floor.

### 30x2 Beams

Tubular round beams for storing or displaying items such as clothing.



#### AVAILABLE SIZES

950	1050	1350	1500	1800	1850	2250	2400	2700
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Measurements in millimeters.

### Kimer always prioritizes safety.

All Kimer anchors feature a red mark, certifying CE compliance and testing.



### Anchors

**Kimer** recommends their use, as they provide increased installation safety.



### Metal divider

Metal sheets that self-drill into the board. Used to divide storage space.





## Hanging garments



### Hanging bar support

**Enables garment storage.** The bars can be adjusted to different positions to match the width of the load. The tube is removable to ease the loading of items. Longitudinal tube dimensions: 30x2 cm, galvanized finish.

<b>TUBE MODELS</b>	900	1000	1200	1500	1800
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<b>SUPPORT MODELS</b>	400	600	800	1000	1200
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Measurements in millimeters.





## Tire racking

**Kimer's tire racking system is the ideal solution for industrial storage of wheels and tires.**

Developed based on our longpsan system leaving an open storage space for storing tires.

### R&D DEPARTMENT

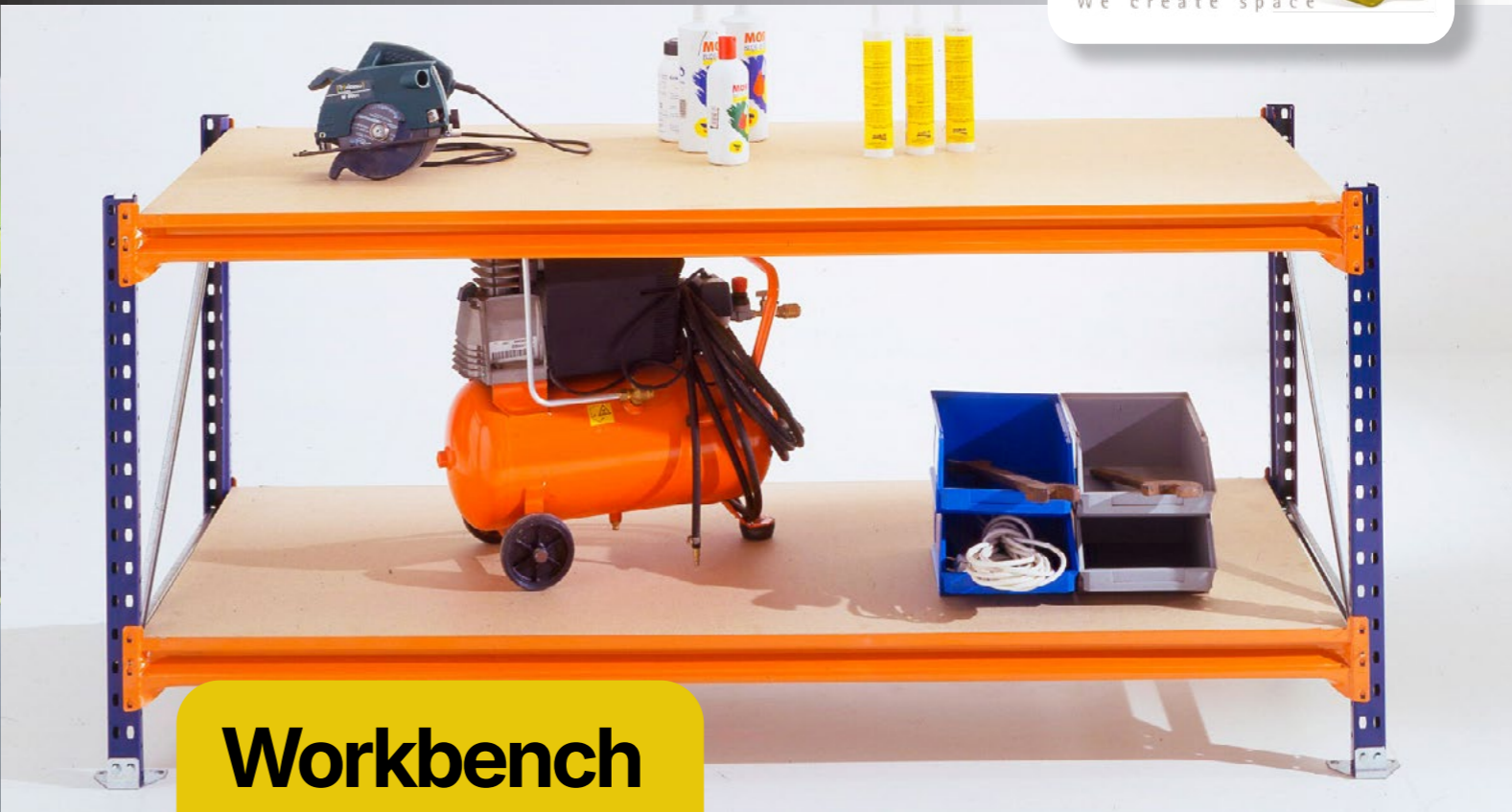
Kimer works with the most advanced tools on the market, allowing us to meet even the most specific storage needs.

Our engineering team will develop the right solution for your warehouse requirements.





**SPECIAL FINISH KIMER**  
You can paint your longspan racking in any RAL colour available on the market.  
  
\*Please confirm the minimum order quantity with KIMER's technical department\*



## Workbench

Create working tables while also storing heavy goods.

### Advantages

- **Workbenches built with a high-strength structure.**
- **Available in various sizes and heights**, and compatible with several accessories.
- **Optionally**, high-resistance wheels with locking system can be added.





## Kimer engineering: picking & pallet racking

For very high load capacity needs.

Kimer manufactures frames with up to 36 tons of load capacity per module.  
**No matter the height, number of levels, or required load—we have the solution.**





## Kimer engineering: carton flow

**Optimal for warehouses where stock rotation is critical.**

The racks incorporate slightly sloped roller tracks, allowing items to slide by gravity at a controlled speed to the opposite side, facilitating fast picking.

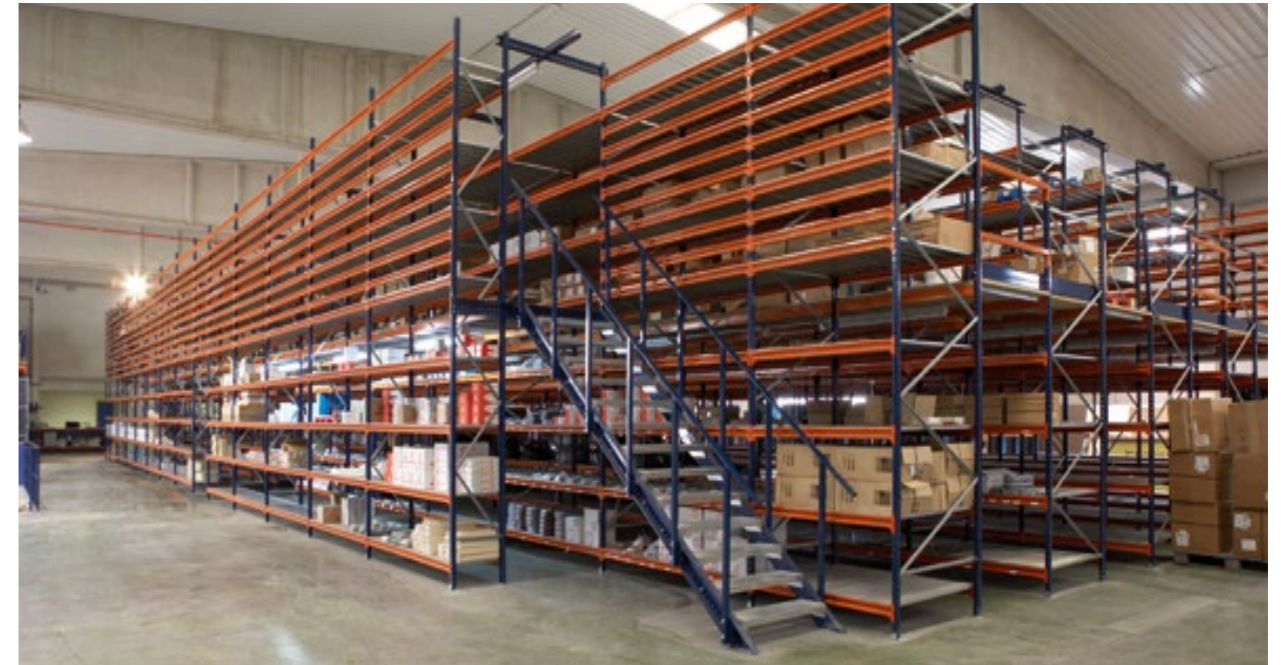




## Kimer engineering: multi-level picking aisles

**Maximize your warehouse space and multiply your storage capacity.**

Custom design ensures safety and easy aisle navigation. Flexible and expandable system, capable of adapting to your business growth.





## Longspan walkways

Kimer offers various finishes for walkways floors:

### Metal floors

SOLID METAL FLOOR



SLOTTED METAL FLOOR



TECHNICAL PERFORATED FLOOR



GRATINGS



### Chipboard

Kimer only uses high-quality structural certified chipboards to ensure safety.

CHIPBOARD



CHIPBOARD + GALVANIZED SHEET



### Kimer stairs

**Custom-built** (height and angle adjustable) to meet all your needs.

Available stair treads:

ANTI-SLIP SOLID STEP



GRATING STEP



### Doors

Kimer offers two types of doors. **The Kimer overhead door provides extra safety by preventing the operator from falling while unloading the goods.**



ECO DOOR

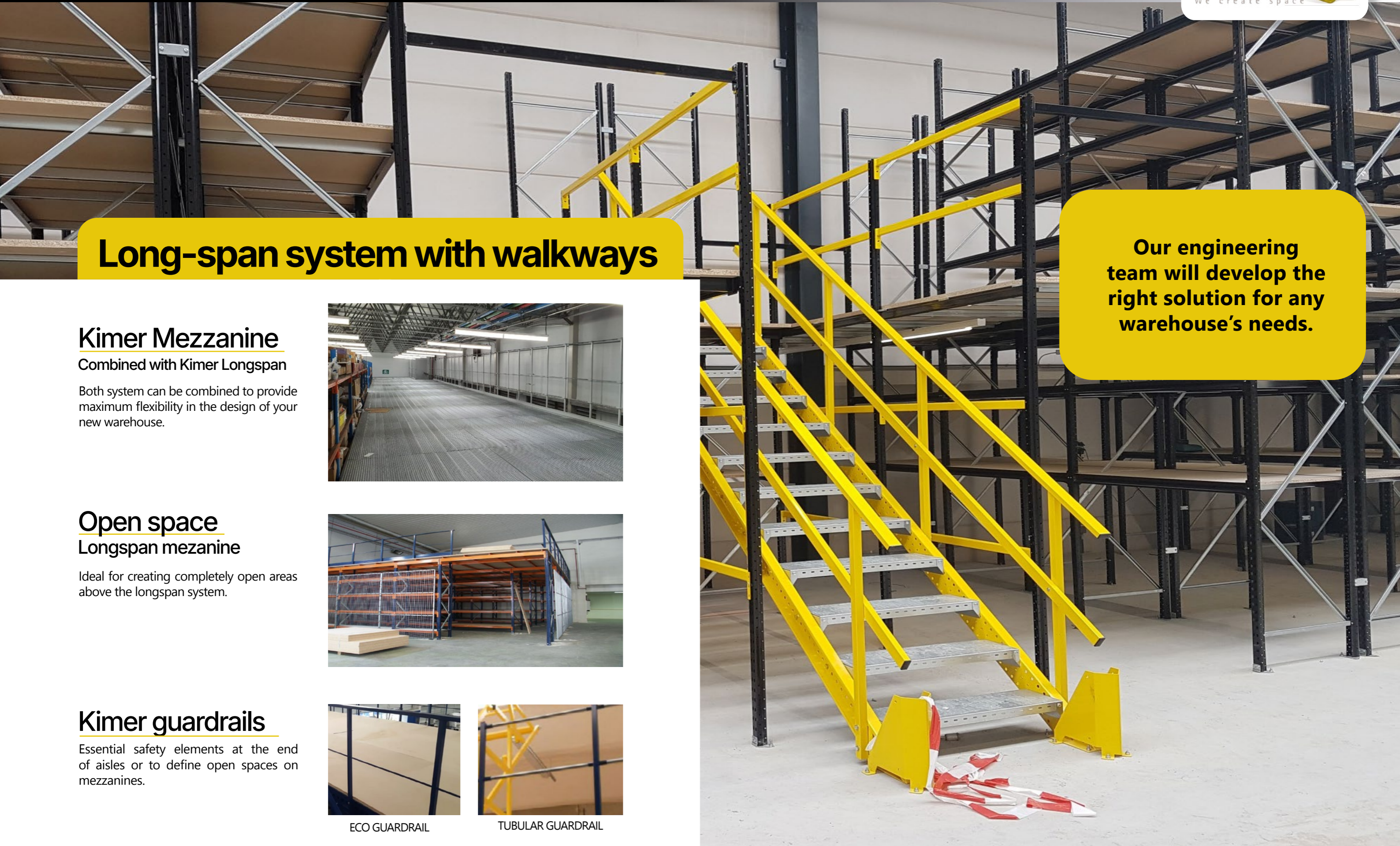


TILTING DOOR

### Skirting boards

Extra protection for the perimeters.





## Long-span system with walkways

**Our engineering team will develop the right solution for any warehouse's needs.**

### Kimer Mezzanine

Combined with Kimer Longspan

Both system can be combined to provide maximum flexibility in the design of your new warehouse.



### Open space

Longspan mezanine

Ideal for creating completely open areas above the longspan system.

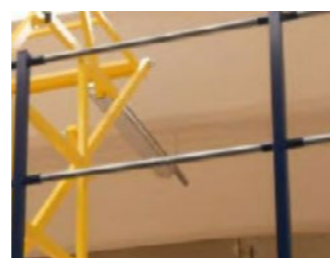


### Kimer guardrails

Essential safety elements at the end of aisles or to define open spaces on mezzanines.



ECO GUARDRAIL



TUBULAR GUARDRAIL

## STANDARDS & REGULATIONS

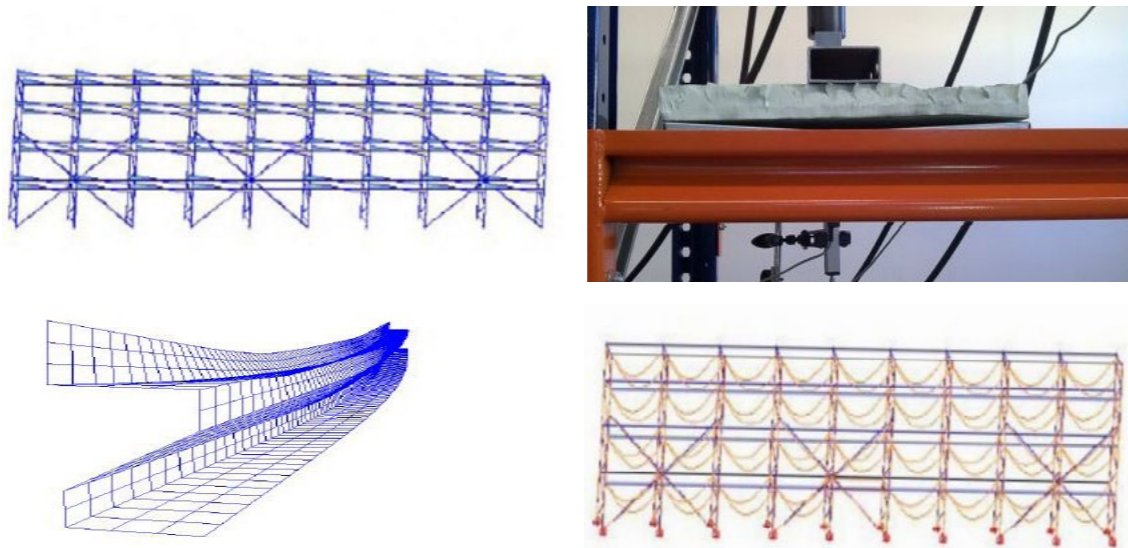
## THE BRAND

The main components of our longspan system have been tested by the Polytechnic University of Valencia. The load tables for KIMER uprights have been calculated using state-of-the-art structural analysis software.

- ▶ **FEM 10.2.06** Principles for the design of static, manually-loaded steel storage systems.
- ▶ **EUROCODE 3** Application and maintenance of storage systems.

Along with standard safety margins, KIMER has considered the most critical loading conditions when defining maximum load capacities:

- ▶ **Fully loaded shelving.**
- ▶ **Fully loaded shelving except for a bay near the floor.**
- ▶ **Transversal stability** (perpendicular to the aisles), ensured by the rigidity provided by the frame bracing.
- ▶ **Longitudinal stability** (parallel to the aisles), ensured by the beam levels with their respective safety pins.



**At Kimer, we have been designing and manufacturing storage systems for over 60 years.**

We work every day to help you make the most of your space. We manufacture all types of storage racking systems, applying the same dedication and enthusiasm to every project, regardless of its size.

Everyone at Kimer is confident in our ability to help you find everything you need for your new warehouse installation.

If you want to learn more about our company or our products, these QR codes will take you to our website and our corporate video, respectively.



WEBSITE QR



VIDEO QR

## KIMER QUALITY



### EN 1090 Certification

Kimer is certified to issue CE marking for self-supporting structures. This standard includes regular testing of welding penetration on both robotic and manual welds.

### ISO 9001 Certification

Ensures ongoing quality controls and the traceability and registration of our products.



All our products are 100% manufactured by Kimer.

We use only certified premium-grade steel.

We guarantee full traceability of all components.

100% Spanish manufacturing.

We apply the most rigorous design standards on the market.

Our key components are regularly tested by independent, highly regarded laboratories.

We do not use harmful components in our painting processes.

We recycle all process water using reverse osmosis.

We treat contaminated elements via pyrolysis for later recycling.

# ENVIRONMENT

# FAMILY-OWNED COMPANY

At Kimer, we are deeply aware of the current environmental crisis and strive to be part of the solution.

That's why we are committed to the following actions:

- ▶ A 714 kWp solar self-consumption installation, preventing the emission of 400 tons of CO<sub>2</sub> per year.
- Eliminating all harmful components from our painting processes.
- Recycling all water used in our production through reverse osmosis.
- Pyrolysis treatment of contaminated elements for responsible recycling.
- Minimizing natural resource use and the generation of hazardous waste.

**KIMER DISPONE DE LA CERTIFICACIÓN ISO 14001**



At Kimer, we take great pride in being a **family business**. For over 60 years, we have evolved and adapted to changes in the market, always maintaining strong values and a family-oriented culture. This allows us to offer **close, personalized** service and find the right solution for every client.

**We are truly proud to be what we are: a family company.**

# INTERNATIONALIZATION

# TECHNOLOGY



Today, Kimer exports **80% of its production to over 45 countries.**

Our experienced commercial and logistics team allows us to meet both national and international demands in a constantly evolving industry.

Currently, Kimer operates two production plants totaling over 25,000 square meters, with a production capacity of 55,000 tons per year.

At Kimer, we use the latest technologies in the manufacturing of steel profiles. Our state-of-the-art CNC roll forming machines deliver clean cuts and precise punching.

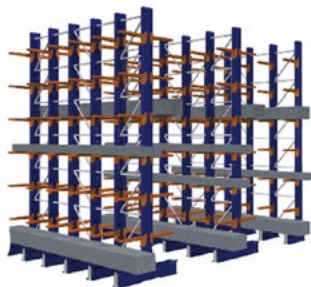
We apply robotic welding controlled by artificial vision systems to ensure clean, uniform welds with virtually no spatter. We also have in-house laser cutting technology (for both tubes and sheets), allowing us to develop custom accessories to meet all our clients' needs.

With automated painting booths, we apply epoxy coatings that give our products high chemical resistance to corrosive substances, along with a high-quality aesthetic finish.

# KIMER Products



Evolution



Cantilever



Compact Pallet Racking



Mezzanine



Pallet racking



Lockers



Slotted angle

**We create space**

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**KIMER**

We create space



Since 1963

Website



Corporate video



Official dealer