

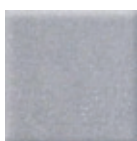


Quality that creates Value

PRODUCTS REVIEW



SHELVING SYSTEMS FOR THE STORAGE OF HEAVY GOODS



SHELVING SYSTEMS FOR THE STORAGE OF LIGHT GOODS



MEZZANINES



SPECIAL SYSTEMS



made to last,
made to resist,
made in italy.



Quality that creates Value

INDEX



SHELVING SYSTEMS FOR THE STORAGE OF **HEAVY GOODS**

- **IRON FIST** PALLET RACKS.....4/5
- **IRON FIST** DRIVE IN6/7
- **MAMMUTH** SUPER PALLET RACKS8/9
- **SEQUOIA** CANTILEVER10/11
- **DUBLEZ** BOLTLESS SHELVING.....12/13
- **TREE CHEESE** SHELVING SYSTEM14/15



SHELVING SYSTEMS FOR THE STORAGE OF **LIGHT GOODS**

- **UNIMONDIAL** BOLTLESS MODULAR SHELF18/19
- **UNIMONDIAL GALV** BOLTLESS MODULAR SHELF.....20/21
- **UNIZING EASY** BOLTLESS SHELVING.....22/23
- **TRAIN** COMPACT MOBILE FILING SYSTEM24/25



MEZZANINES

- **MECANO** MEZZANINE28/29



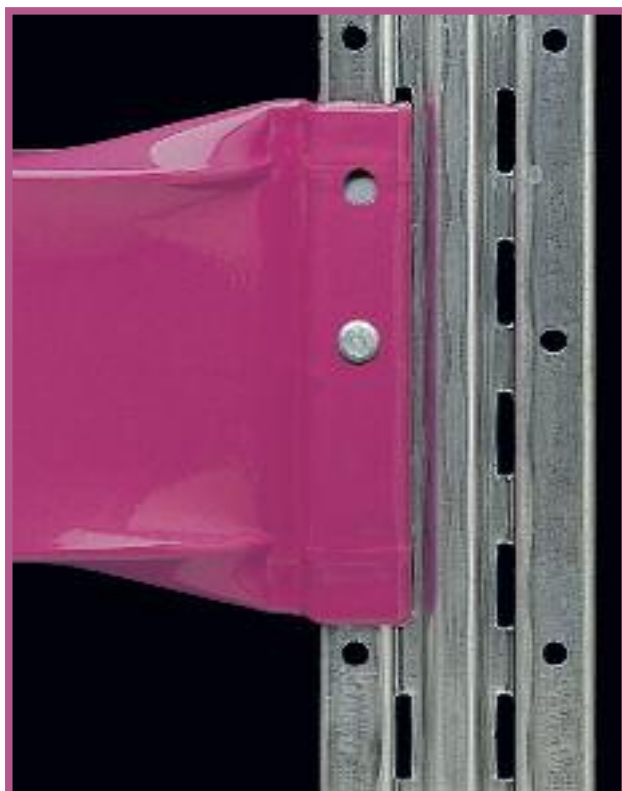
SPECIAL SYSTEMS

- **SELF-SUPPORTING**32/33
- **INTEGRATED**34/35
- **EARTHQUAKE-RESISTANT**36/37





IRON FIST PALLET RACKS

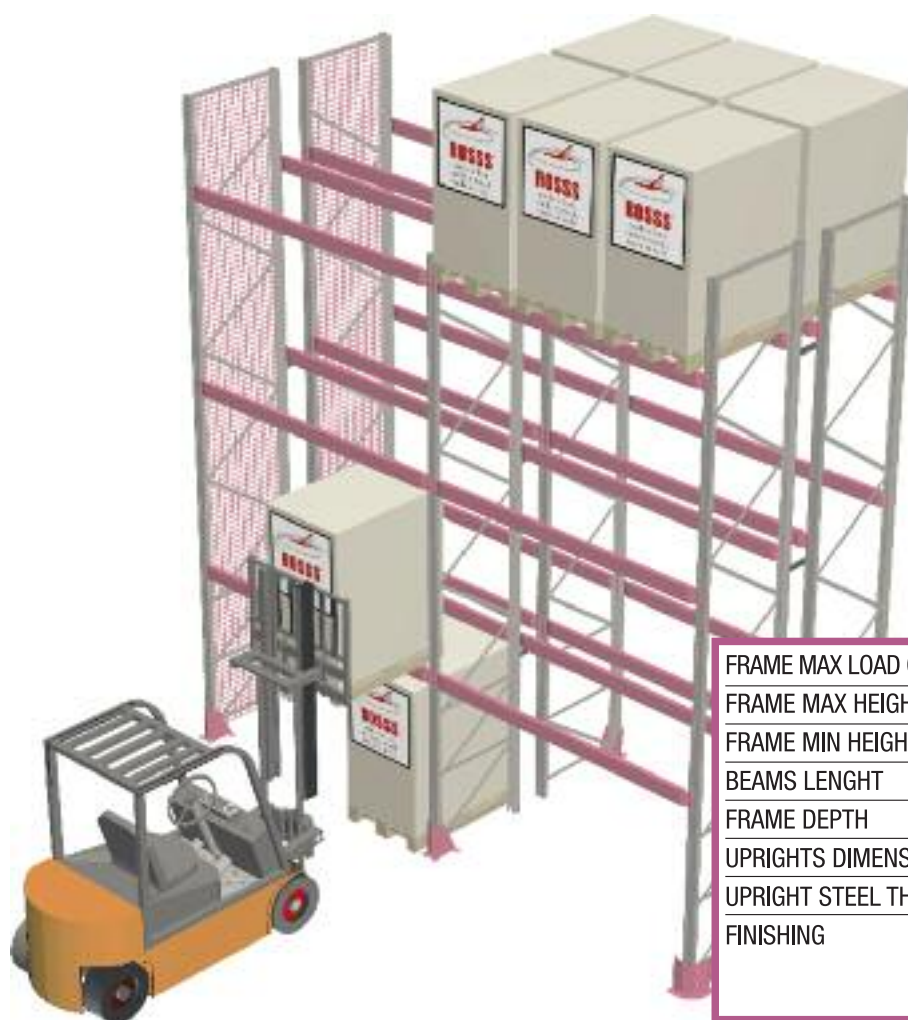


THE SHELVING WITH WELD-FREE MONOLITHIC BEAM

We have eliminated a critical point in pallet racks: the welding between the shelf and the beam. We have also added a multi-stiffened upright to this innovative beam to provide greater stability and safety, together with a greater load capacity which is equal to the steel used.

BEAM AND SHELF IN A SINGLE ELEMENT

This is a ROSSS innovation, protected by a European Patent, obtained with the exclusive ROSSS moulding process.



FRAME MAX LOAD CAPACITY	30.000 Kg
FRAME MAX HEIGHT	12,00 mt
FRAME MIN HEIGHT	1,80 mt
BEAMS LENGHT	from 950 mm to 4450 mm
FRAME DEPTH	from 600 mm to 1400 mm
UPRIGHTS DIMENSIONS	72 - 92 - 112 - 132 mm
UPRIGHT STEEL THICKNESS	1,5 - 2,0 - 2,5 mm
FINISHING	FRAME: hot galvanized sendzimir, BEAMS: powder painting, magenta RAL 4003



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IRON FIST DRIVE-IN

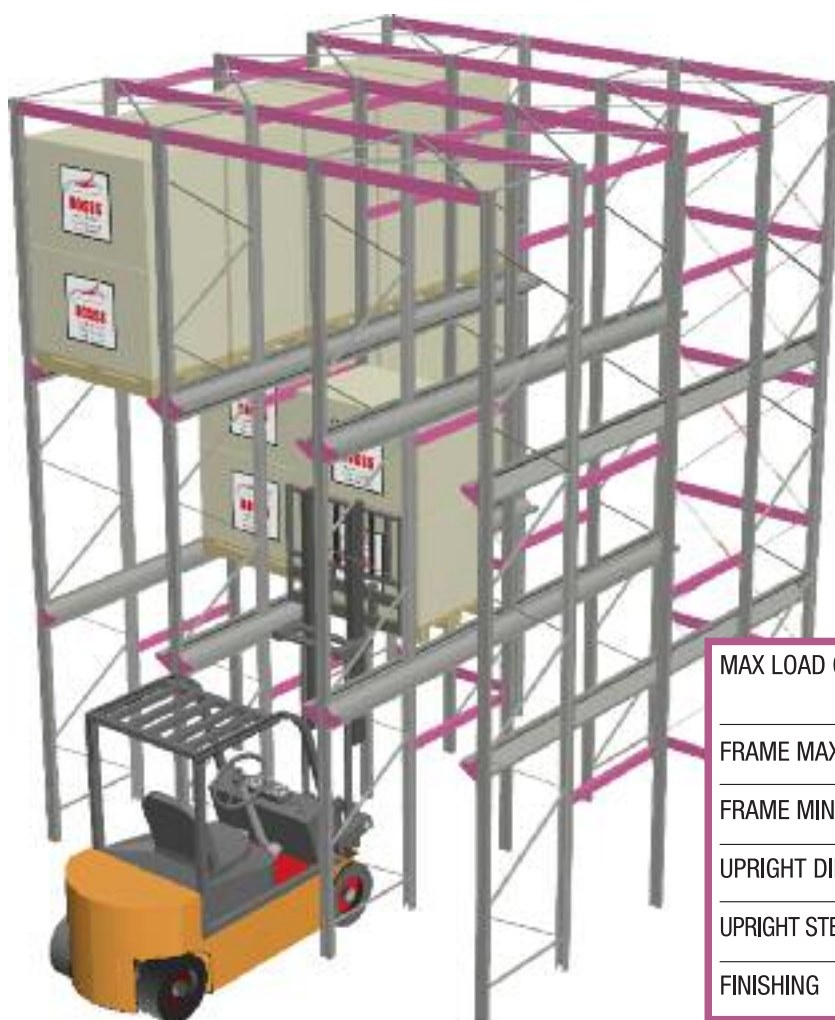


FACILITATES THE MOVEMENT OF STORED GOODS

The special inclined configuration of the IRON FIST DRIVE IN guides allows more space to be recovered in the aisles where goods are handled. This makes it easier to move them and also has a self-centring function for pallets during loading.

GREATER LOAD CAPACITY AND SAFETY

The guides, constructed with greater thickness and using double folds, increase the load capacity and the safety provided by IRON FIST DRIVE IN as well as allowing a greater distance between the retainers, which in turn helps keep costs down.



MAX LOAD CAPACITY	according to the configuration required
FRAME MAX HEIGHT	12,00 mt
FRAME MIN HEIGHT	1,80 mt
UPRIGHT DIMENSIONS	72 - 92 - 112 - 132 mm
UPRIGHT STEEL THICKNESS	1,5 - 2,0 - 2,5 mm
FINISHING	hot galvanized sendzimir



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MAMMUTH SUPER PALLET RACKS

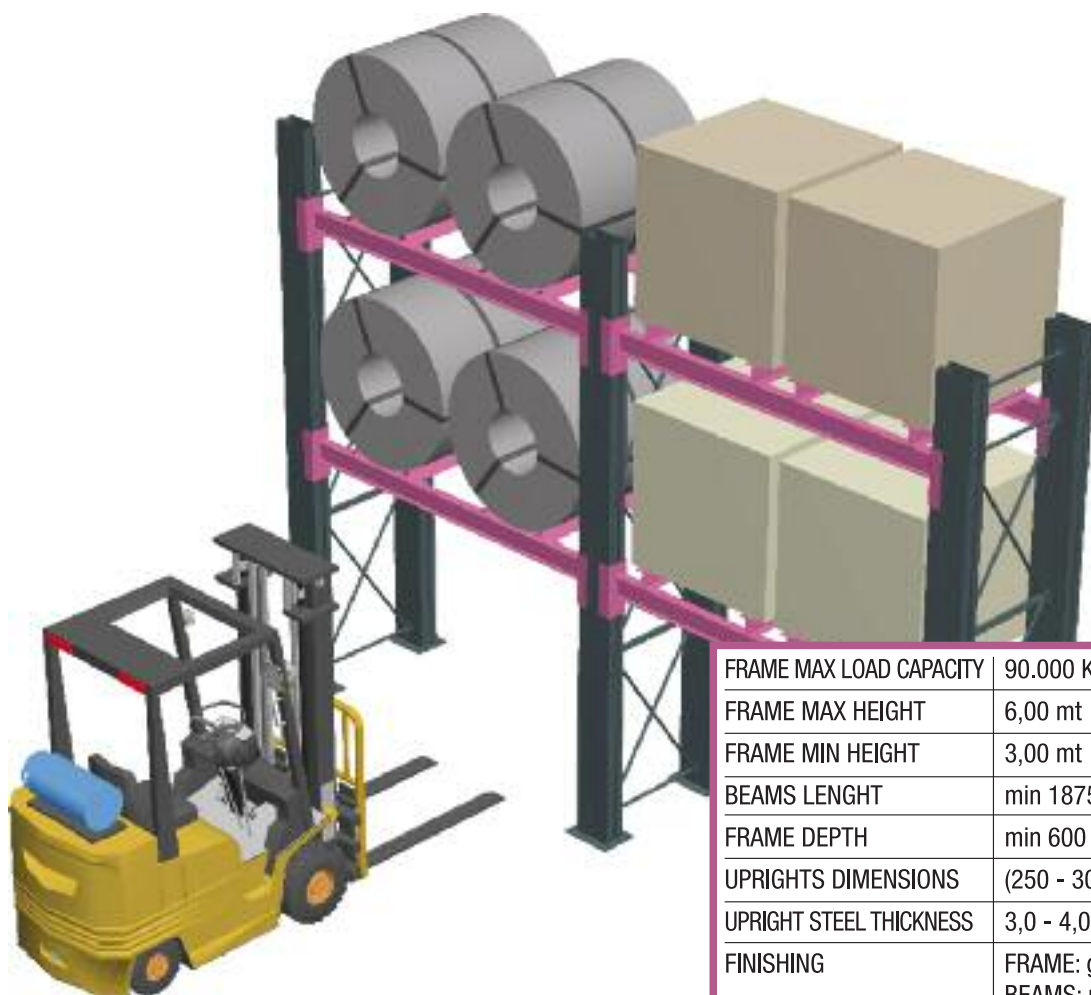


THE HIGH-PERFORMANCE SUPER PALLET RACK

Ideal for high load capacity requirements, such as when storing laminates, dies and coils. This is provided by the special anchors, covered by the exclusive ROSSS patent, which ensure greater stability of the structure.

WITH REMOVABLE ENDS

The ROSSS Mammuth Super Pallet Rack is a system which consists of single elements which can be assembled to obtain the required structure and also reconfigured on the basis of the new and different logistical requirements of the warehouse.



FRAME MAX LOAD CAPACITY	90.000 Kg
FRAME MAX HEIGHT	6,00 mt
FRAME MIN HEIGHT	3,00 mt
BEAMS LENGHT	min 1875 mm max 4450 mm
FRAME DEPTH	min 600 mm max 1400 mm
UPRIGHTS DIMENSIONS	(250 - 300 - 350) x 150 mm
UPRIGHT STEEL THICKNESS	3,0 - 4,0 mm
FINISHING	FRAME: grey RAL 7026, BEAMS: magenta RAL 4003



SEQUOIA CANTILEVER



PATENTED BOLT FOR HIGHER PERFORMANCE

The Sequoia patented bolts are produced by molding, instead of extrusion process. This molding has allowed to model the shape getting a higher and new performance because the grooving created in its area of contact with the structure allows a greater stability of the structure itself.

THE ONLY CANTILEVER WITH COLUMNS COMPLETELY BOLTED

The complete bolting of Cantilever allows the full painting of the columns also in the inside parts for better protection and durability.

Bolting is also made by using of a special exclusive conical bolt range 8.8 to increase security and facilitate the removal of the rack also to easy changeability in time in case of new and different needs of your warehouse.



COLUMNS MAX LOAD CAPACITY	22.200 Kg
COLUMNS MAX HEIGHT	9,00 mt
COLUMNS MIN HEIGHT	3,00 mt
COLUMNS DISTANCE IN HEIGHT	max 3,00 mt - min 600 mm
ARM LENGHT	max 2,00 mt - min 500 mm
UPRIGHT DIMENSIONS	(250-300-350-400-450)x150 mm
UPRIGHT STEEL THICKNESS	2,0 - 3,0 - 4,0 mm
FINISHING	powder painting: column and base grey RAL 7026 arm magenta RAL 4003



DUBLEZ BOLTLESS SHELVING

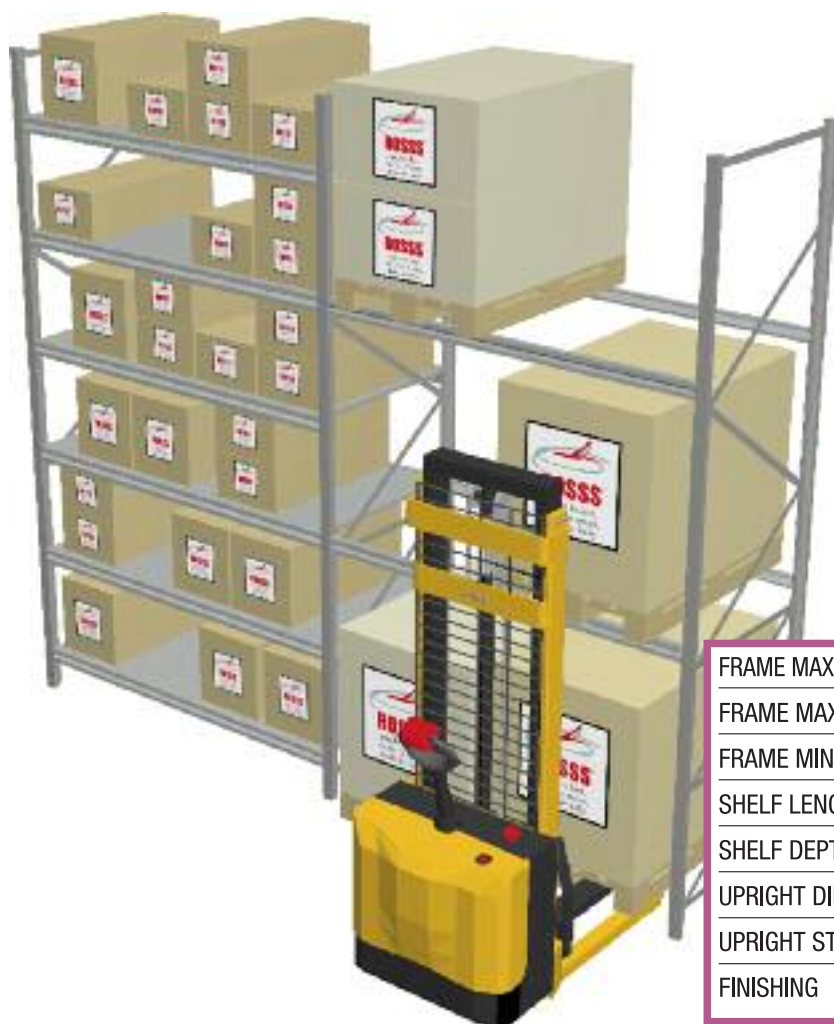


THE LIGHT EARTHQUAKE-RESISTANT SHELVING

Thanks to the possibility of inserting earthquake-resistant braced frames, DUBLEZ provides light earthquake-resistant shelving which can also be made with walkway systems. The coupling holes make it the ideal solution to be integrated with Unimondial shelving systems.

WITH REVERSABLE BEAMS FOR STORING CONTAINERS AND PALLETS

In the standard version, the beam is fitted to allow the creation of flat areas between the beam and the rack – the ideal solution for small and medium sized picking operations. If the beam is turned, the smooth surface of the beam itself means it can be used for storing light pallets.



FRAME MAX LOAD CAPACITY	8.400 Kg
FRAME MAX HEIGHT	9,00 mt
FRAME MIN HEIGHT	1,80 mt
SHELF LENGTHS	from 1000 mm to 2700 mm
SHELF DEPTH	from 400 mm to 1400 mm
UPRIGHT DIMENSIONS	60 mm
UPRIGHT STEEL THICKNESS	1,2 - 1,5 mm
FINISHING	hot galvanized sendzimir



TREE CHEESE SHELVING SYSTEM



THE FIRST SHELVING SYSTEM DESIGNED SPECIFICALLY FOR USE IN THE DAIRY PROCESSING INDUSTRY

Created specifically to meet the requirements of companies that produce Parmigiano Reggiano and Grana Padana.

EARTHQUAKE-RESISTANT WITH CONTROLLED STIFFNESS

The structure is completely bolted and has no welding. It is characterised by controlled elastic properties: this safely absorbs any seismic stress preventing the cheeses from sliding.



COLUMNS MAX LOAD CAPACITY	3.300 Kg on each columns side
COLUMNS MAX HEIGHT	9,00 mt
WOODEN SHELF COLUMNS PITCH	500 - 1000 - 1500 mm
COLUMNS DIMENSIONS	70 x 150 mm
COLUMNS STEEL THICKNESS	2,0 - 2,5 - 3,0 mm
FINISHING	hot galvanized sendzimir







SHELVING SYSTEMS
FOR THE STORAGE OF LIGHT GOODS



UNIMONDIAL BOLTLESS MODULAR SHELF



VERSATILE, ALSO FOR MULTI-LEVEL SYSTEMS, WIDE RANGE OF ACCESSORIES

For archives or light warehouses, UNIMONDIAL can also be fitted on TRAIN bases without the need for bolting. Its option to create walkways also permits the creation of multi-level structures.

INNOVATIONS FROM ROSSS

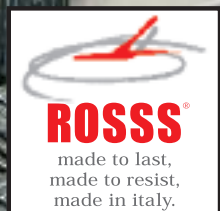
UNIMONDIAL is a ROSSS innovation which has created an entire new category within the market; i.e. shelving with light couplings.



FRAME MAX LOAD CAPACITY	3.000 Kg
FRAME MAX HEIGHT	5,25 mt
FRAME MIN HEIGHT	1,00 mt
SHELF LENGHT	min 765 max 1265
SHELF DEPTH	min 300 max 700
UPRIGHT DIMENSIONS	32x50 mm
UPRIGHT STEEL THICKNESS	1,0 - 1,2 mm
FINISHING	painting: upright grey RAL 7026, shelf grey RAL 7038



SHELVING SYSTEMS
FOR THE STORAGE OF LIGHT GOODS



UNIMONDIAL GALV BOLTLESS MODULAR SHELF



COMPLETELY GALVANISED AND ABLE TO BE INTEGRATED WITH UNIMONDIAL STRUCTURES

Created specifically to allow UNIMONDIAL GALV to be used efficiently in environments with a high level of humidity. It has also been designed for integration with Unimondial.

REMOVABLE REINFORCED FLAT SURFACES TO INCREASE THE LOAD BEARING CAPACITY

It uses shelves with removable reinforcement elements allowing the load bearing capacity to be increased if necessary.



FRAME MAX LOAD CAPACITY	1500 Kg
FRAME MAX HEIGHT	3,00 mt
FRAME MIN HEIGHT	1,50 mt
SHELF LENGHT	min 965 max 1265
SHELF DEPTH	min 300 max 600
UPRIGHT DIMENSIONS	32x50 mm
UPRIGHT STEEL THICKNESS	0,8 mm
FINISHING	hot galvanized sendzimir



SHELVING SYSTEMS
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UNIZINC EASY BOLTLESS SHELVING



GALVANISED STEEL RACK WITH SIMPLIFIED UPRIGHTS

UNIZINC EASY is the light galvanised steel shelving system with beams and transversal flat areas which adapts easily to the most diverse storage needs, designed to facilitate beam installation and therefore also the installation of the flat areas. The galvanised coating also means that it can be used in areas where there is a high level of humidity.

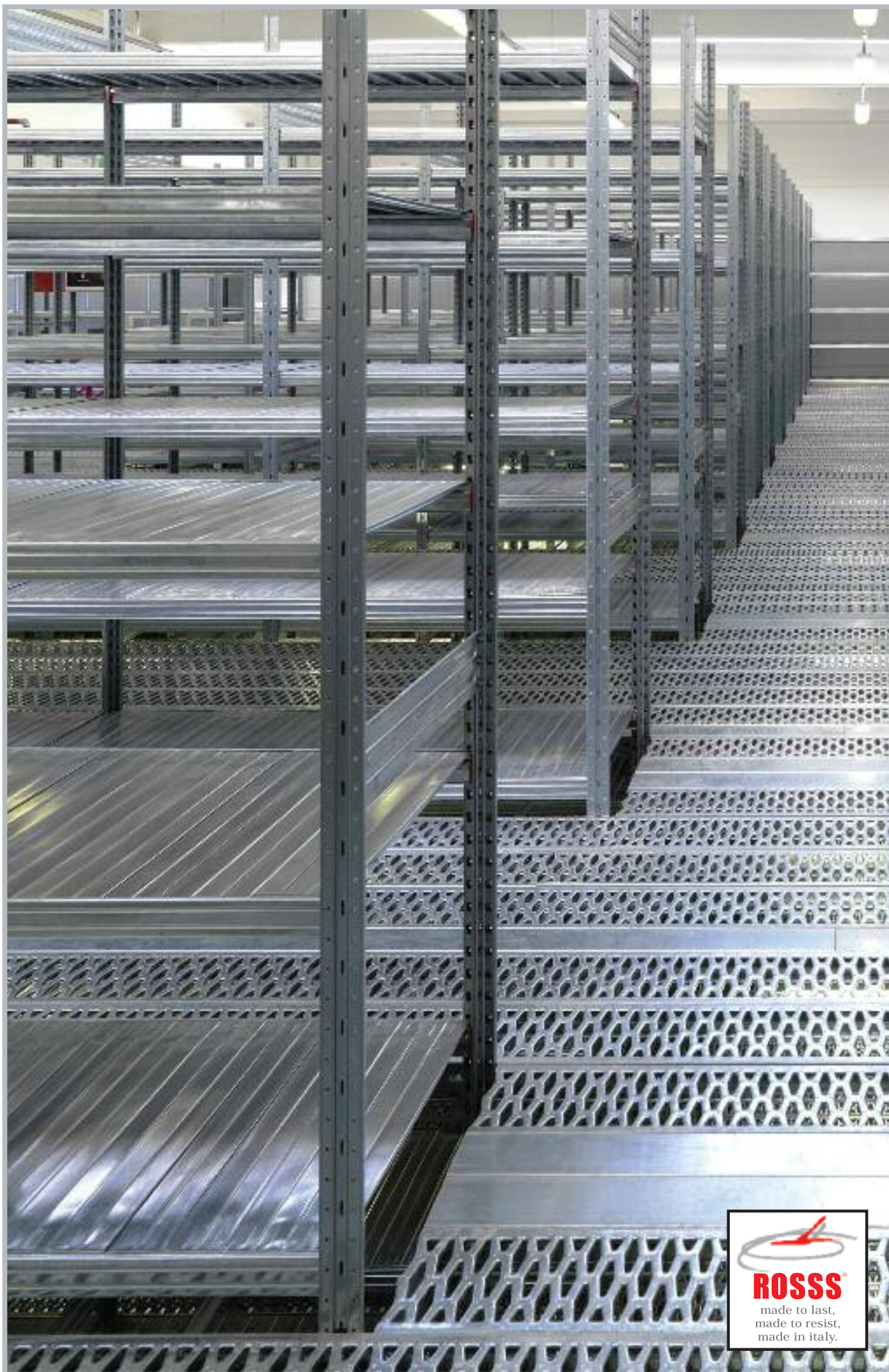
FLAT PANELS AND BEAMS CAN BE COMBINED FOR ALL NEEDS

The UNIZINC beam structure has a profile which is unique in this sector: the steel is concentrated in the area which is subject to the largest load, i.e. at the ends of the section, preventing material wastage along the neutral axis. This provides exceptional load capacity in relation to the lightweight nature of the structure.



FRAME MAX LOAD CAPACITY	3.200 Kg
FRAME MAX HEIGHT	9,00 mt
FRAME MIN HEIGHT	1,80 mt
SHELF LENGTH	from 900 mm to 2100 mm
SHELF DEPTH	from 300 mm to 1200 mm
UPRIGHT DIMENSIONS	55x45 mm
UPRIGHT STEEL THICKNESS	0,8 - 1,0 mm
FINISHING	hot galvanized sendzimir

SHELVING SYSTEMS
FOR THE STORAGE OF LIGHT GOODS



TRAIN COMPACT MOBILE FILING SYSTEM

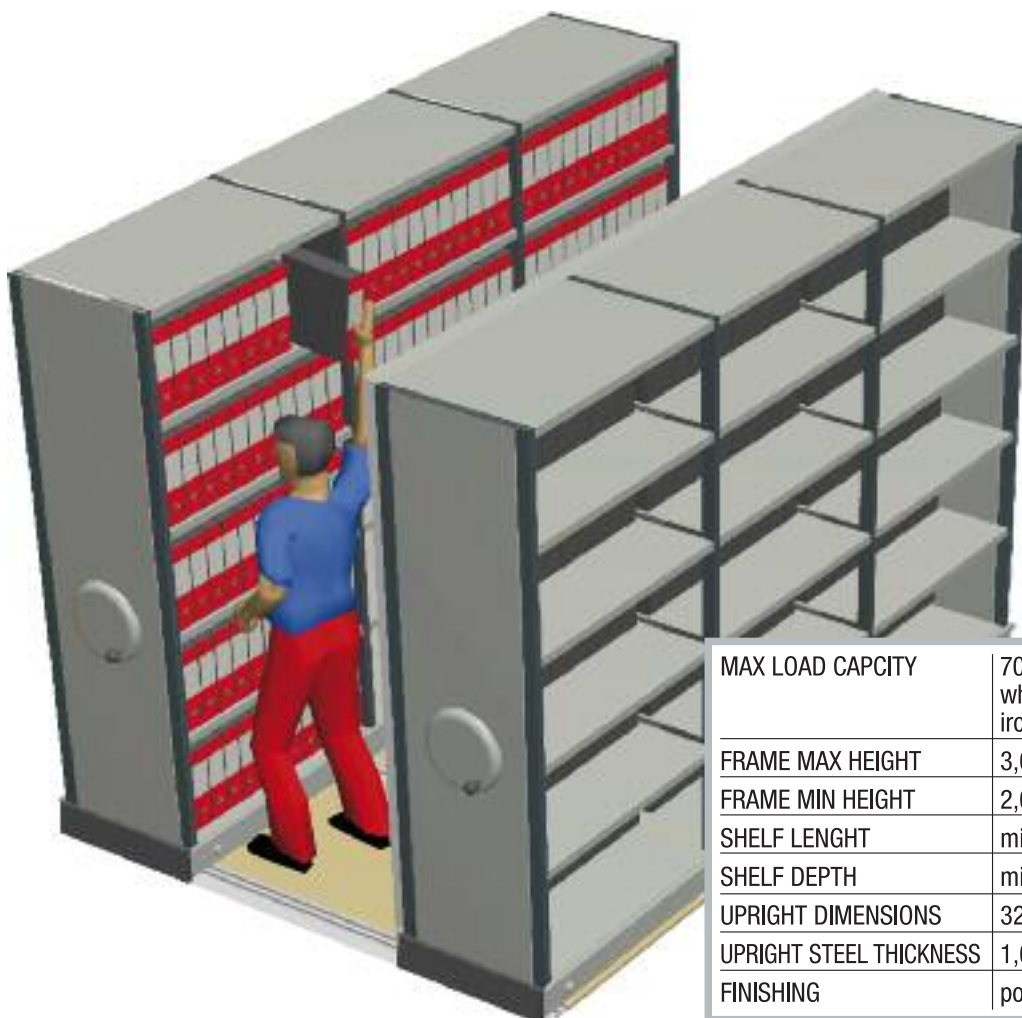


BIG MAXIMUM STORAGE

This system eliminates the waste of space: all the moving parts are contained in the thickness of the frame and the wagon of new concept is much more thin and less height. Train is available with manual, mechanical and electric version.

MODIFIABILITY OVER TIME

Thanks to its modular design, you can choose to add to the existing configuration acquired new units, according to your needs: like a train, wagons units can be added. Train ROSSS is ready to grow with the quick addition of new modules in a fast and economical way.



MAX LOAD CAPACITY	700 Kg each unit with composite wheels - 1200 Kg each unit cast iron wheels
FRAME MAX HEIGHT	3,00 mt
FRAME MIN HEIGHT	2,00 mt
SHELF LENGHT	min 765 max 1265 mm
SHELF DEPTH	min 300 mm max 600 mm
UPRIGHT DIMENSIONS	32x50 mm
UPRIGHT STEEL THICKNESS	1,0 mm
FINISHING	powder painting RAL 7035







MEZZANINES



MECANO MEZZANINE



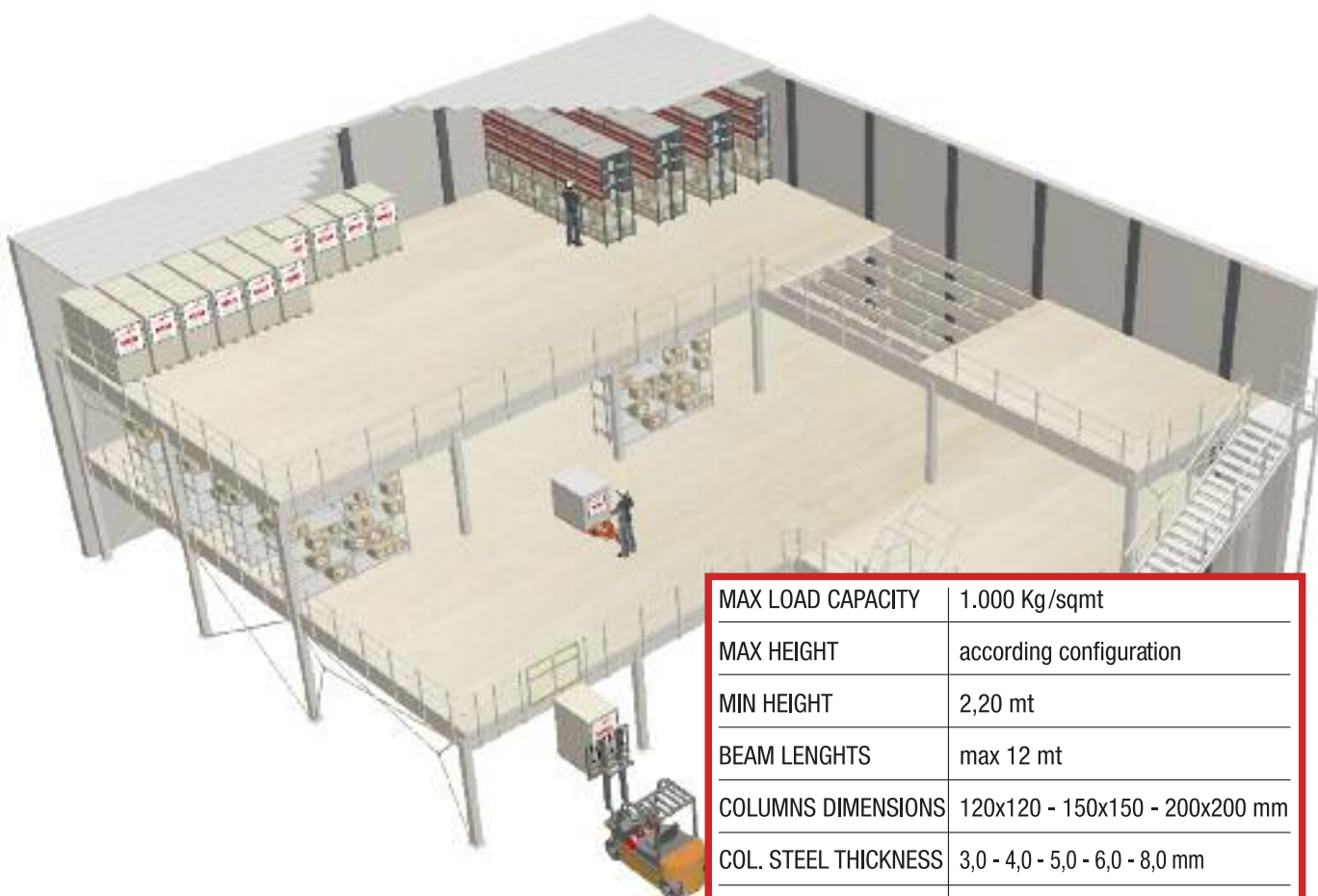
MODULAR AND EASY TO INSTALL

Thanks to the bolted structure, Mecano does not require any special means for installation and, as is often required, can also be adapted at the time of installation.

IDEAL FOR MULTI-LEVEL SYSTEMS

The extensive range of available sections, including beams and columns, allows structures and multi-level mezzanines to be built with greater heights, greater load bearing capacities and more free openings, with the subsequent advantages that this brings in terms of usage.

MEZZANINES



MAX LOAD CAPACITY	1.000 Kg/sqmt
MAX HEIGHT	according configuration
MIN HEIGHT	2,20 mt
BEAM LENGHTS	max 12 mt
COLUMNS DIMENSIONS	120x120 - 150x150 - 200x200 mm
COL. STEEL THICKNESS	3,0 - 4,0 - 5,0 - 6,0 - 8,0 mm
FINISHING	powder painting grey RAL 7038



MEZZANINES







SELF-SUPPORTING

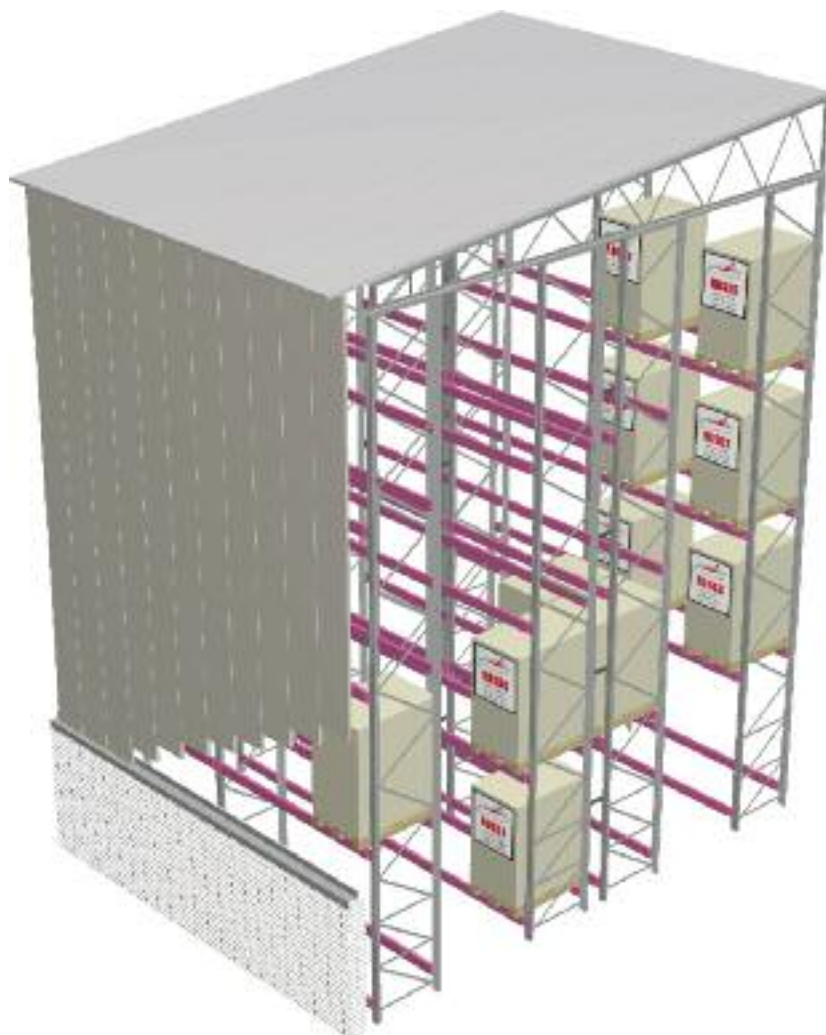


DIFFERENTIATED SOLUTIONS BASED ON SPECIFIC REQUIREMENTS

ROSSS self-supporting structures are constructed using IRON FIST and IRON REX, products exclusive ROSSS that provide increased performance and safety. IRON FIST is the ideal solution for self-supporting systems of medium height and load capacity in low risk seismic areas.

Thanks to its innovative structural design allowing for high seismic energy dissipation, IRON REX is the optimal choice for self-supporting systems in seismic areas. Its closed tubular profiles provide the structures with greater stability and resistance and allow the construction of extremely high installations.

The complete bolting system of IRON REX makes installation simple and easy.





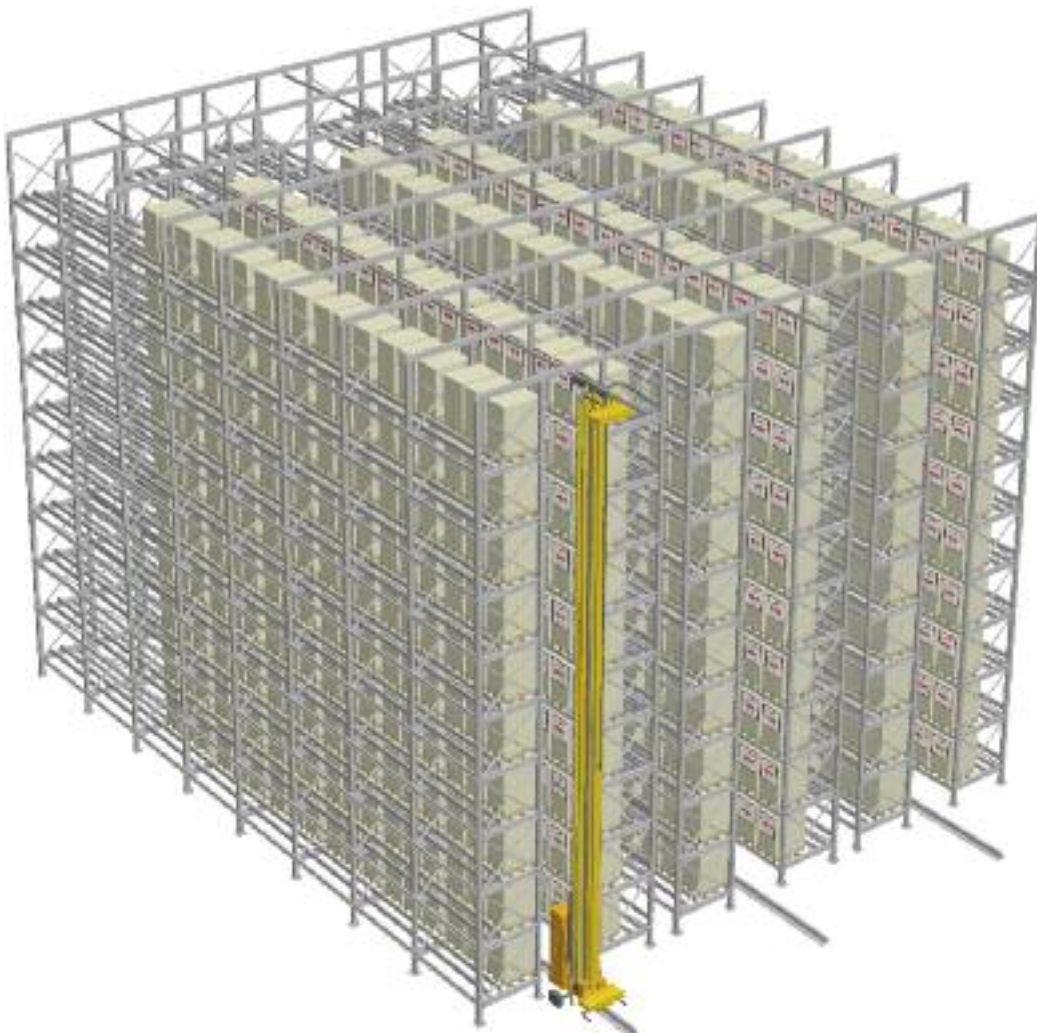
INTEGRATED

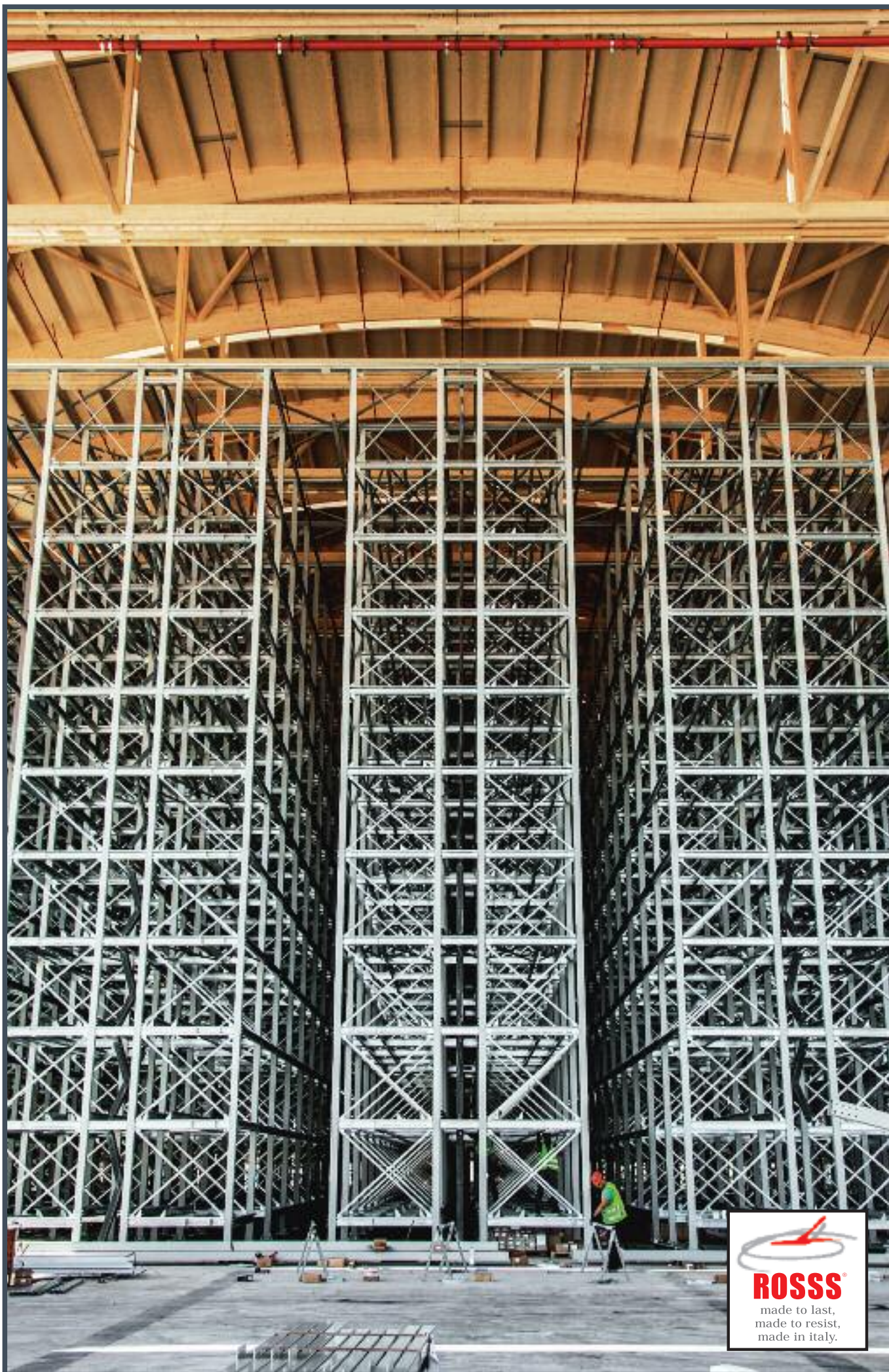


WITH THE BEST AUTOMATION SYSTEMS

ROSSS structures can be integrated with the best gravity storage systems with satellites or automated satellites, or they can host automated single and double depth storage and retrieval systems.

ROSSS integrated systems offer a combination of the quality of ROSSS supporting structures, characterized by limited deformability required for automatic systems to operate correctly, and the best automatic and semi-automatic systems available on the market.





EARTHQUAKE-RESISTANT



PATENTS AND EXPERIENCE

ROSSS earthquake-resistant systems benefit from the company's technological expertise with regard to anti-seismic prevention, which has been developed over more than 15 years of experience in the field.

ROSSS earthquake-resistant structures are the result of an in-depth technological knowledge of anti-seismic prevention strategies. ROSSS constantly carries out extensive research and testing on its structures, an essential element in the design of systems able to ensure high levels of safety in seismic areas. In association with leading universities and using real models and numerical modelling, ROSSS carries out continuous research and testing on components and structural systems in order to identify the optimal design criteria for the construction of logistics systems in high risk seismic areas.





CERTIFIED QUALITY

ROSSS: THE FIRST IN ITALY IN THIS SECTOR TO OBTAIN THE FOLLOWING CERTIFICATIONS:

ISO 9001 - ISO 14001 - EMAS - SA 8000

ISO 9001 QUALITY CERTIFICATION

The first in Italy in the metal shelving sector

ENVIRONMENTAL QUALITY SYSTEM CERTIFICATION ISO 14001 AND EMAS

The first in Italy in the metal shelving sector

ETHICS CERTIFICATION SA8000

The first in Italy in the metal shelving sector

ROSSS ALSO OBTAINED THE FOLLOWING CERTIFICATIONS:

SHELVING PRODUCT CERTIFICATION

For commercial shopfitting in compliance with standard UNI 11262-1

PROCESSING CENTRE CERTIFICATE

N°1826/11

CERTIFICATE OF CONFORMITY

of factory production control according to standard EN 1090-1 within system 2+

PRODUCT CERTIFICATION

According to UNI EN 15512



PIONEERS IN THE CONSTRUCTION OF EARTHQUAKE-RESISTANT SYSTEMS

ROSSS HAS CARRIED OUT ITS FIRST EARTHQUAKE PROOF WAREHOUSE IN 1996

JULY 1996

ROSSS installed the first earthquake-resistant system in 1996 in Bologna and in 1997 in Umbria.

MAY 2006

ROSSS carried out important shaking table tests at the University of Athens.

2006-2014

ROSSS collaborated with the Faculty of Engineering at the University of Firenze and with CISI to draft the first standard on earthquake-resistant pallet racking.

MAY 2012

ROSSS designed TREE CHEESE, the first earthquake-resistant shelving system specifically for the dairy industry.

SEPTEMBER 2012

ROSSS delivered the first TREE CHEESE earthquake-resistant warehouses to dairy companies struck just four months earlier by the earthquake in Emilia and Lombardy.



STORAGES AND ARCHIVES FOR THE NEW QUALITY WAREHOUSE

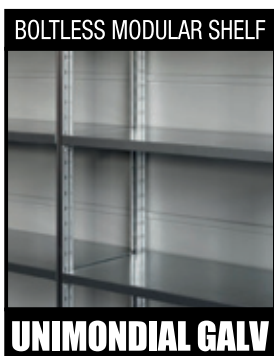
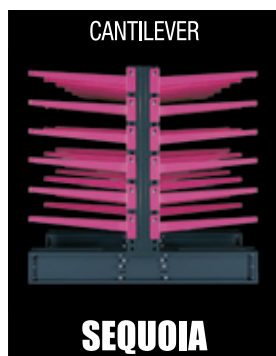
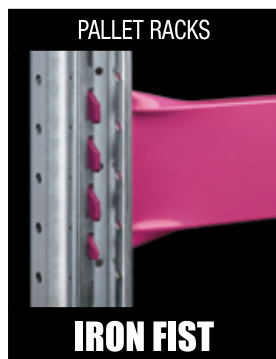
RESEARCH, PRODUCTION, DISTRIBUTION OF METAL STRUCTURES FOR THE MANAGEMENT OF INDUSTRIAL AND COMMERCIAL AREAS: MOBILE BASES FOR ARCHIVES AND WAREHOUSES, IRON FIST PALLETS RACK AND DRIVE-IN, KOMPRESSOR, ROTOMAT, UNIMONDIAL, UNIZINC EASY, SEQUOIA CANTILEVER, SHOPFITTING, SALES AND CHECK-OUT COUNTERS, MECANO, SELF-SUPPORTING WAREHOUSES, TREE CHEESE.

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STORAGES AND ARCHIVES FOR THE NEW QUALITY WAREHOUSE

RESEARCH, PRODUCTION, DISTRIBUTION OF METAL STRUCTURES FOR THE MANAGEMENT OF INDUSTRIAL AND COMMERCIAL AREAS: **MOBILE BASES FOR ARCHIVES AND WAREHOUSES, IRON FIST PALLET RACK AND DRIVE-IN, UNIMONDIAL, UNIZING EASY, SEQUOIA CANTILEVER, MAMMUTH, DUBLEZ, MECANO, SELF-SUPPORTING WAREHOUSES, TREE CHEESE.**



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