



# imeguisa



**imeguisa**

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# Index

## **PRESENTATION**

Presentation of the company  
Design and manufacture  
Location of factories and warehouses  
Certificates of quality

## **RACKS**

Specific racks  
Standard racks  
Wire mesh racks  
Mixed racks

## **SHOP STOCK**

Flexible manual stock system  
Single point

## **AUTOMATISMS**

Machines and automatisms

## **LINE FURNITURE**

Bamboo shelving  
Dynamic shelving  
Third level shelving  
Pallet changer  
Dynamic warehouses  
Combined applications  
Line carriages

## **PICK TO LIGHT SYSTEM**

## **SHELVING**

IMEPLUS for heavy loads  
IMEPAL for medium loads  
IMESINTOR for light loads  
IMEKIT for light loads  
IMEROD mobile

## **CHANGING ROOMS**

AVANT lockers  
AVANT benches  
Laundry equipment  
Special lockers

## **WORKSHOP**

Workbenches  
Industrial cupboards  
Accessories

## **ALUMINIUM**

Aluminium profile line shelving  
Metal-based, aluminium-structured containers

## Presentation of the Company

The Imequisa Group has wide technical and industrial experience, which is the reason behind its ability to provide solutions to clients' requirements in storing and logistics.

We carry out the various installations and assemblies from start to finish.

We design work spaces, equipment for use in offices and workshops which take full advantage of the potential of the installations as far as space and functional nature are concerned.

We offer a global turnkey project development service.



The Factory in Ormaiztegi

# DESIGN AND MANUFACTURE

We have solutions in the field of functional, industrial and product design. Our experience in design projects in “simultaneous engineering” in the car industry and our constant collaboration with our clients means that the exact container conceived for components’ logistics is available as soon as the client’s first part is manufactured.

Our experience in such a technologically advanced industry has enabled us to take on complex projects and incorporate our engineering achievements in other logistics and transport systems in industry and utility companies. However, the most important thing is the innovative spirit of the design team. Our aim is to carry out training programmes in the most advanced design techniques in order to boost development in accordance with our customers’ needs.

At the present time, we are working with two leading programmes on the automobile market: Unigraphics NX and Catia V5, which form part of the Windows environment, in order to be able to cover all our clients’ needs as well as our own.

Our 3D designs give rise to plans, lists of materials, waybills, and quality control in the manufacturing process of the projects in our production plants.

We have incorporated the technical assistance service into this sector in order to ensure that the product is functional for the whole of its life cycle.

Manufacture

On a highly competitive market, where clients are continually on the lookout for better quality and service, it is necessary to invest in new technologies to improve product design, production and production capacity.

As a complement to the company data, we have installed the ERP computer system for BaanIV company management, aided by solid computer installations and the appropriate communications between different points of the Group.

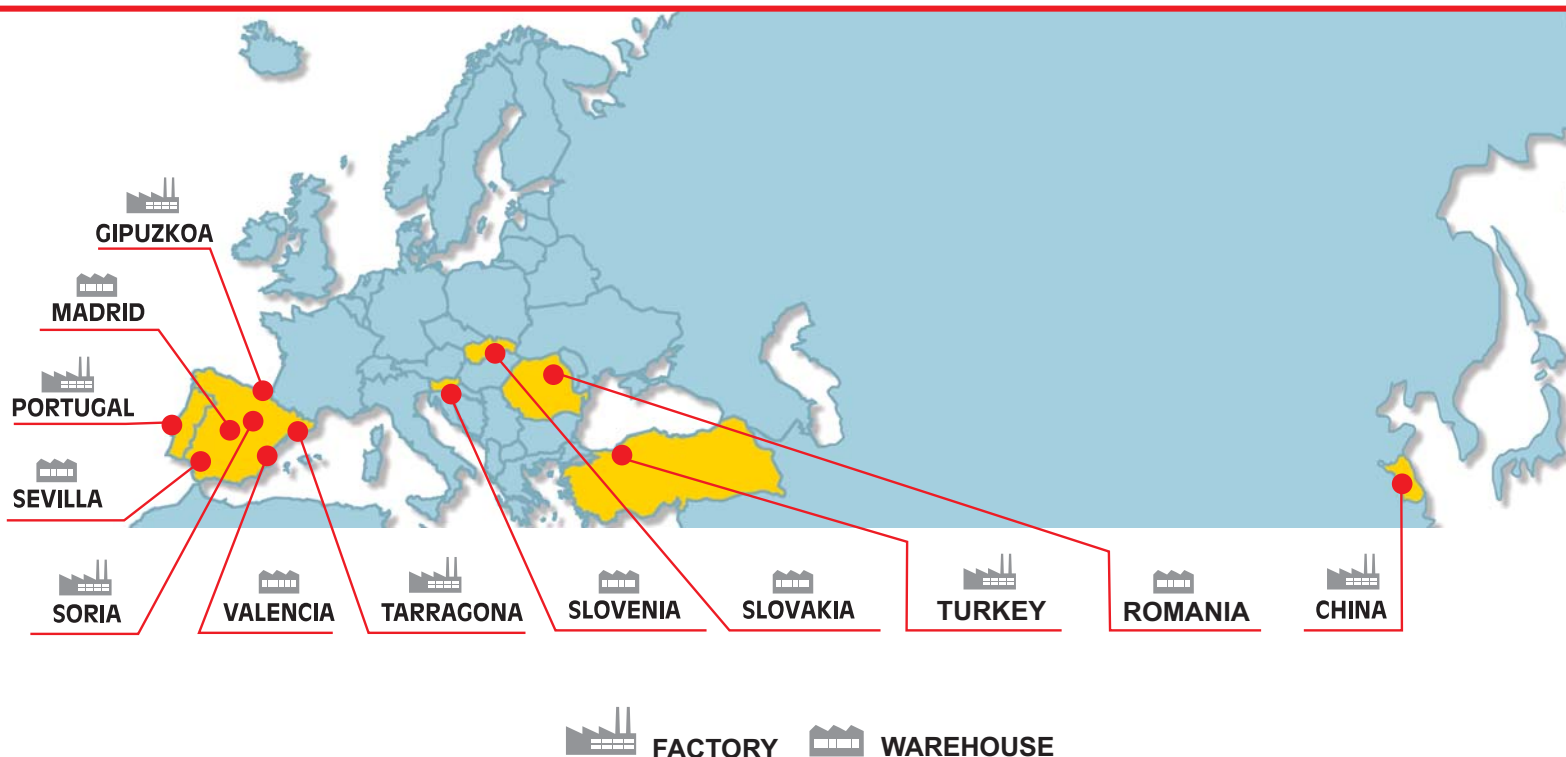
# THE LOCATION OF OUR MAIN FACTORIES AND WAREHOUSES

## Factories in

- **Central IMEGUISA**  
Ormaiztegui (Gipuzkoa)
- **CONRACK**  
San Esteban de Gormaz (Soria)
- **IMEGUISA PORTUGAL**  
Palmela (Portugal)
- **IMEGUISA TURKIYE**  
Bursa (Turkey)
- **IMEGUISA-ABOVE TIME**  
Tarragona
- **IMEGUISA CHINA**  
Nanjing (China)

## Warehouses in

- **MADRID**
- **VALENCIA**
- **SEVILLE**
- **CLERC-IMEGUISA**  
Slovenia
- **CLERC-IMEGUISA**  
Slovakia
- **CLERC-IMEGUISA**  
Romania





# CERTIFICATIONS



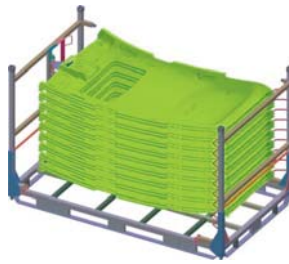
# Special Racks

IMEGUISA specializes in the design and manufacture of containers for parts, particularly in the car industry.

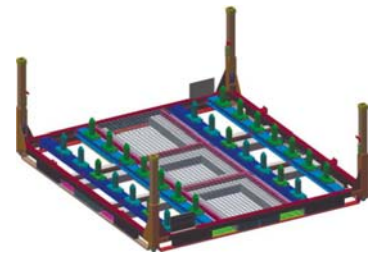
We offer a comprehensive service for any product that needs to be stored and/or transported in a container specifically designed in accordance with the product's characteristics. From the analysis, conception and design of the container to the mass production.



**THE ANTOLIN GROUP**  
Front door  
Coating B84



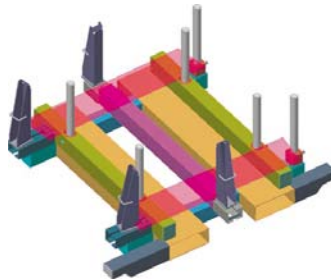
**THE ANTOLIN GROUP**  
Seat roof



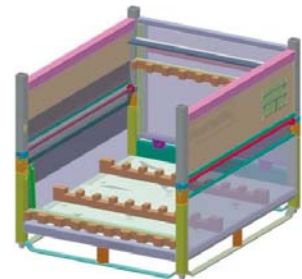
**RENAULT CAR CHASSIS**  
Rear axle



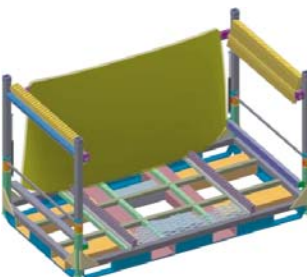
Sequenced carriage  
Rotating bumper



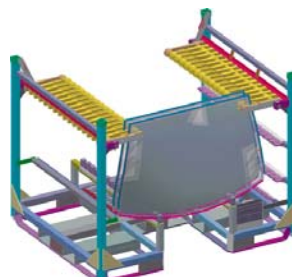
**FASA-RENAULT**  
Mpascar  
Crash reinforcement



**FAURECIA**  
C-170 front door



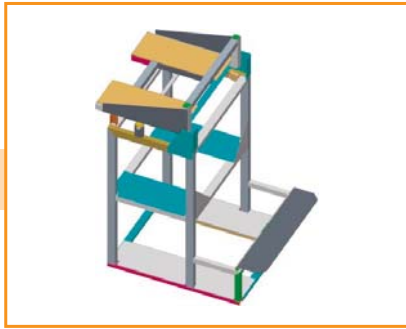
**FIAT**  
Ducato windscreen



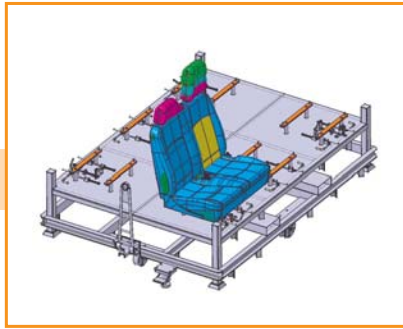
**FORD-PILKINGTON**  
Front windscreen  
Left guard



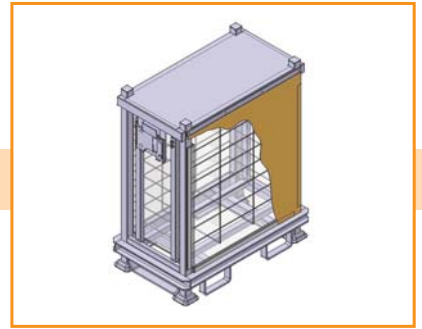
**OPEL**  
Trim pillar B



**IVECO**  
Base



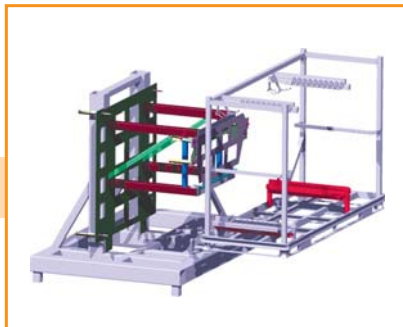
**MERCEDES**  
Front seats



**MERCEDES**  
Jis postes C NCV2 2769



**MERCEDES**  
Front module NCV2



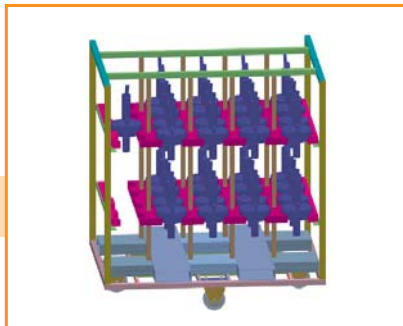
**MERCEDES**  
Equipment for assembly  
of the conta  
columns 1705



**OPEL**  
Rear HL AXLE



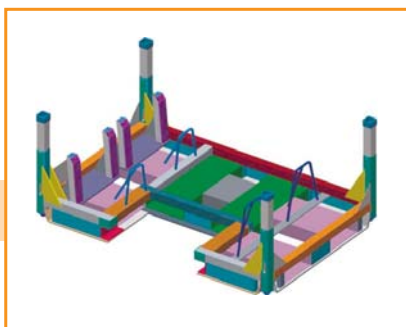
**PILKINGTON**  
Mazda window



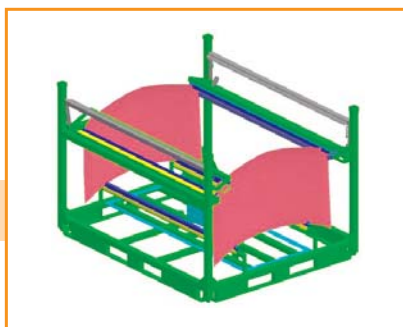
**PSA**  
C-3 carriage brake



**PSA**  
Sequenced carriage  
C-3 interior upholstery



**RENAULT**  
MTEM 1798

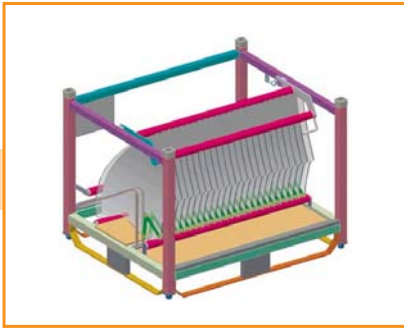


**RENAULT**  
MTEM 2128  
PANNEAU de capot AV L84

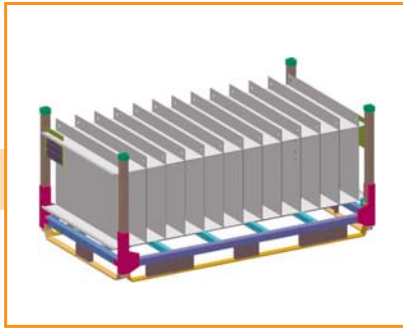


**RENAULT**  
MTEM2129

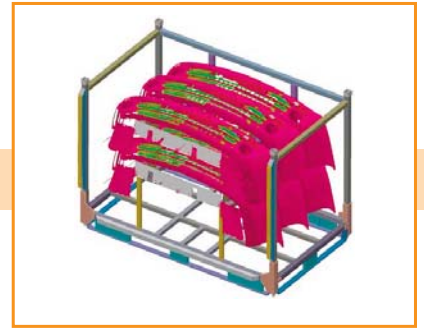




**PSA**  
Window A-42



**PSA**  
Panneau portes



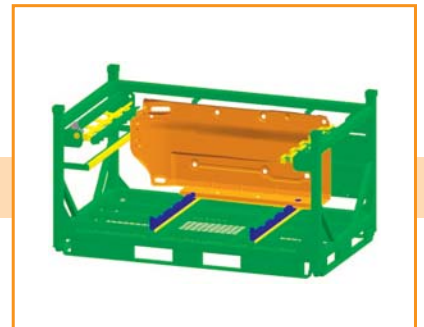
**PSA**  
Front bumper  
N7R 6 parts



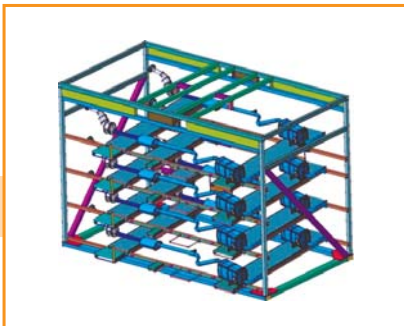
**RENAULT**  
Exhaust pipe carriage



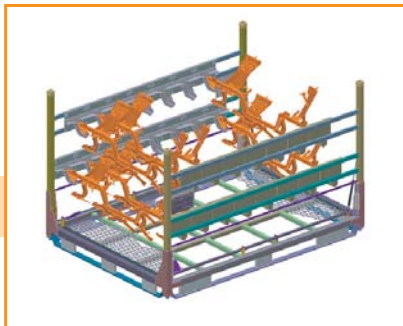
**RENAULT**  
MTEM 1699  
Caisson porte AV C84



**RENAULT**  
MTEM 1713  
Central plate  
Side part G B84



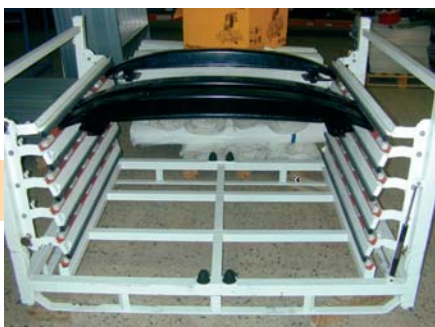
**RENAULT**  
Exhaust pipe



**SAS**  
Cross beam



**SEAT**  
Side with doors



## Standard Racks

### **Metal baskets for heavy loads**

Made in steel plate 2mm. Thick

Reinforced by means of V-shaped ribbed folds at the sides and base.

A greater resistance has been obtained, which makes them of great use in the storing and transport of goods.

Loading of material by crane with hooks at the ends or by hooks on the frame.



## Wire mesh Racks

### **Wire mesh baskets for heavy loads**

Baskets with a sheet metal base 2mm. thick and electrowelded wire mesh sides 3mm in diameter.

The wire mesh is reinforced with frames welded to angled sections and the container stanchions.



## Mixed racks

These are standardised containers designed for the transport and storing of various parts.

They are made up of a metal base with stanchions and the walls are of electrowelded wire mesh.

Also available are containers lined with galvanised sheet metal.



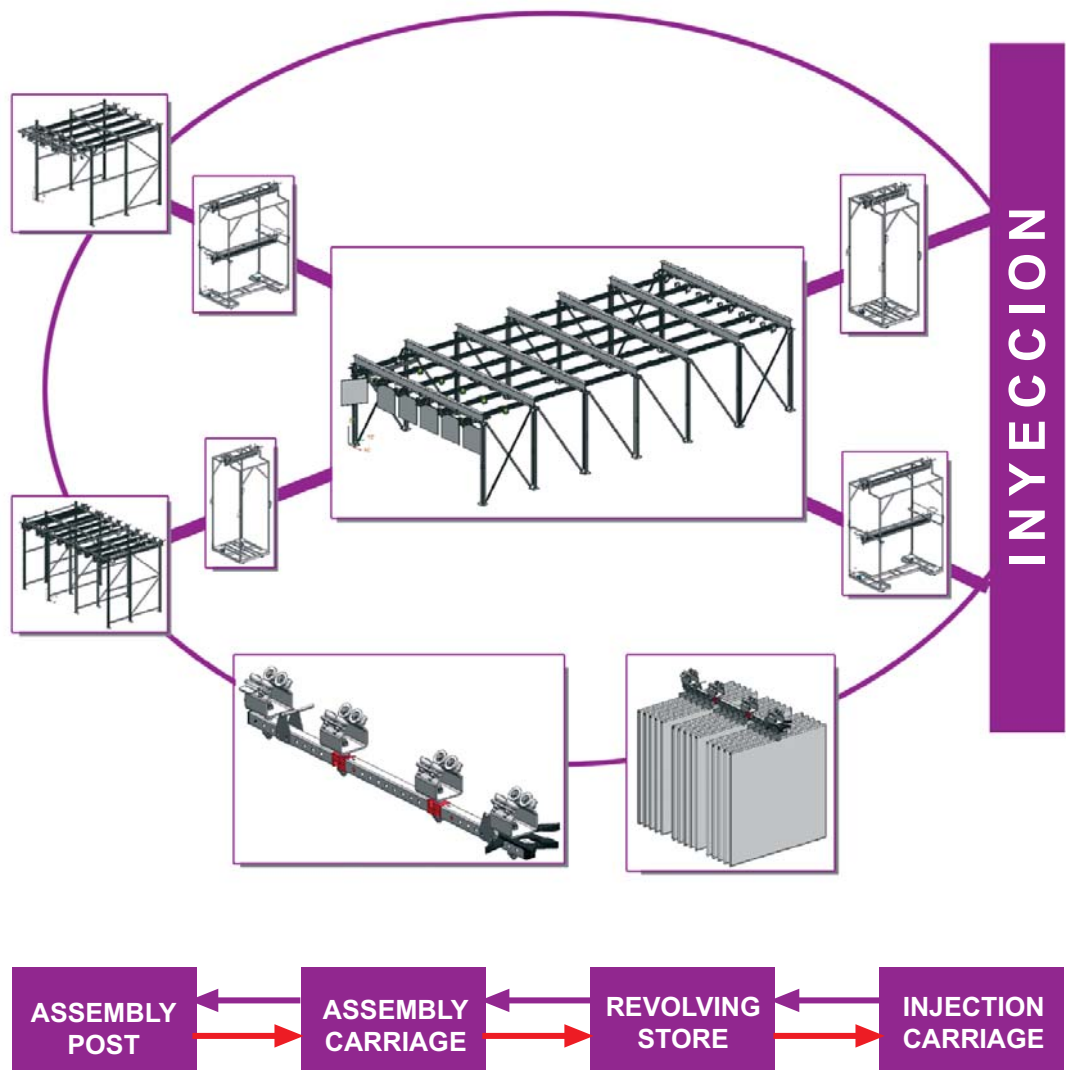
# SHOP STOCK

## FLEXIBLE MANUAL STOCK SYSTEM

IMEGUISA has developed a system whereby optimum internal logistics are achieved between the production lines and the assembly lines for parts and components. Based on the philosophy that, on the assembly lines, it is the part that must come to the operator and not the operator that must go to the part, which is how things have been up until now, Imeguisa has developed a system called "Shop Stock", which makes for optimisation of the time cycles on the assembly lines.

The system is a pioneer and has been implemented on various production lines and comprises two elements: a series of container carriages which are loaded with the parts and an intermediate store between the process lines and the assembly lines. The parts are loaded into the containers in the revolving stores (guide rails) which in turn regulate the movement of the parts towards the operator on the assembly line thus facilitating his/her access to the part in the right place at the right time.

The IMEGUISA System was initially developed for parts in the automobile industry but was later applied to other types of manufacturing processes. The Shop Stock System is designed to make access to parts on the assembly lines easier. Imeguisa has also developed sequence containers which make it possible to place the various parts that the operator needs on the assembly line at the right time and in the right place (parts such as wheels of different dimensions, panels of various colours, etc.). Apart from making the operator's work easier in each cycle, these containers also save a great amount of space.

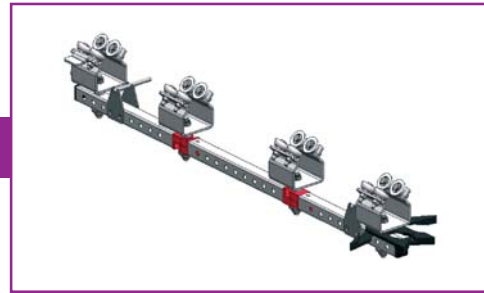


The SHOP STOCK System is totally applicable to any type of process in any factory and it is scalable. Its function is to store and transport any part or component taking full advantage of space and following the "fifo" storage method.

The shop stock concept is based on a closed circuit, which means that the operator never abandons the guide rail. All parts are hung on hooks or placed in bags which hang from runners (a mobile component with wheels on the guide rail for the purpose of transporting items). These runners are pushed or pulled by the operator on aluminium guide rails and can travel in a straight line or round bends. The aluminium guide rails are mounted on a metal structure and can be adjusted laterally to whatever distance is required between each one. The runners, which form a long chain on the aluminium guide rails can be interconnected or disconnected. When it comes to dismantling a runner from the revolving store and mounting it on a carriage for the assembly line, the runners are dismantled automatically.

## ELEMENTS

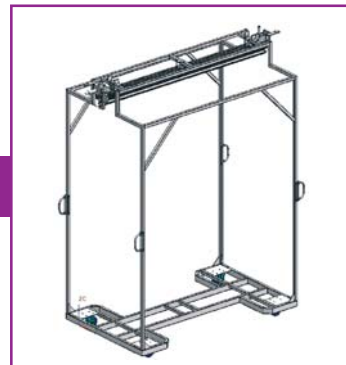
### ROSARIO



### REVOLVING STORE



### CARRIAGE

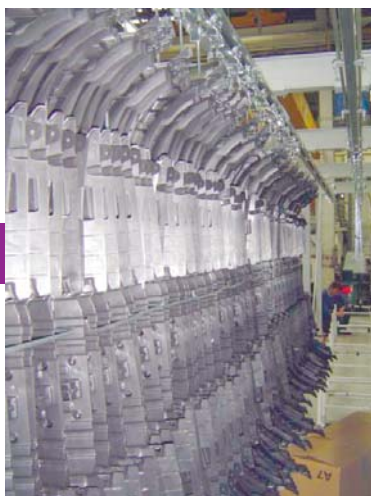


### ASSEMBLY POST





## AN EXAMPLE OF APPLICATION



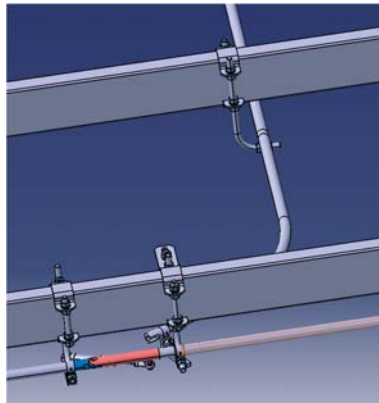
# SINGLE POINT

The Single Point system is totally applicable to any type of process in any factory and it is scalable. Its function is to store and transport any part or component taking full advantage of space following the “fifo” storing model.

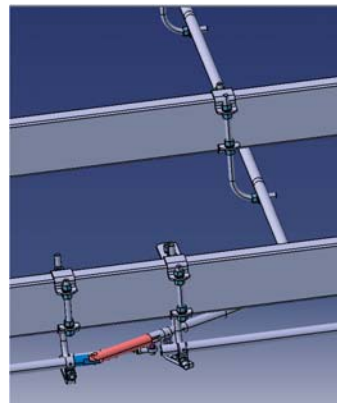
The single point concept is based on a closed circuit, which means that the operator never abandons the guide rail. All parts are hung on hooks (a mobile component on wheels for the purpose of transporting items), which hang from the round tubular guide rails. These “carriages” move along the guide rails by means of gravity and can travel in a straight line or round bends.

The round tubular guide rails are mounted on a metal structure and can be adjusted both laterally and vertically to whatever distance is required between each one. The “carriages” that are on the round tubular guide rails are not interconnected. When a “carriage” is to be unloaded from the revolving store, it continues on its journey to the loading zone, which is at the lowest point of the run.

The choice of the guide rail to be unloaded is carried out by means of a pneumatic change system.



**Front part of the shelf**



**Turning mechanism in operation**



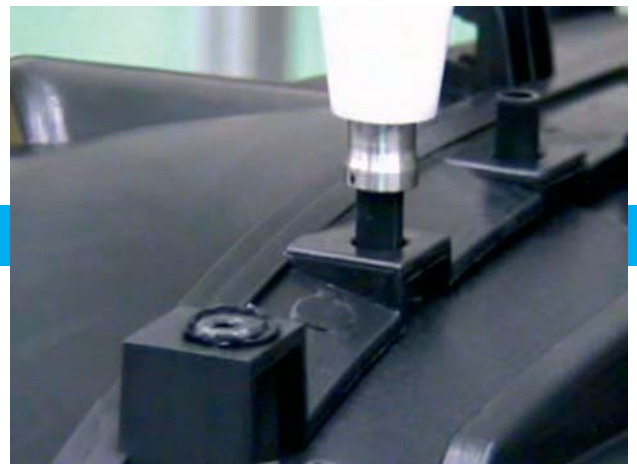
**Pneumatic guide rail change**



# Automatizms

## OUR INSTALLATIONS

The Imequisa group forms part of a design and manufacturing plant situated in Tarragona and devoted to the development of automatizms and automation lines such as ultrasound automated welding, arc cutting, laser cutting.



## ENGINEERING

In the department, there are three engineers who collaborate with engineers from outside the company. For the design of the various automatisms and machines, there are 6 Catia licences and 7 Autocad licences.

## MECHANIZATION WORKSHOP

- CNC lathes
- Manual lathes
- Milling machines
- Machining centres
- Wire-cutting machine
- Auxiliary workshop machinery
- Metrology

## MOUNTING AND ASSEMBLY

The production plant has an assembly area of 1,000m<sup>2</sup>, a 5Tm bridge crane, a derrick boom and an elevator.





## **ELECTRICITY DEPARTMENT**

We have two electrical designers as well as designers outside the company, one fitter for control cabinets and machine wiring as well as fitters from outside the company.

## **AUTOMATION DEPARTMENT**

This department is made up of a PLC programmer (Siemens, Omron), a SCADA programmer (Wincc, Intouch), a robots programmer (Fanuc, ABB, Staübli, Adept), and an artificial vision system programmer plus programmers from outside the company.

## **QUALITY CONTROL DEPARTMENT**

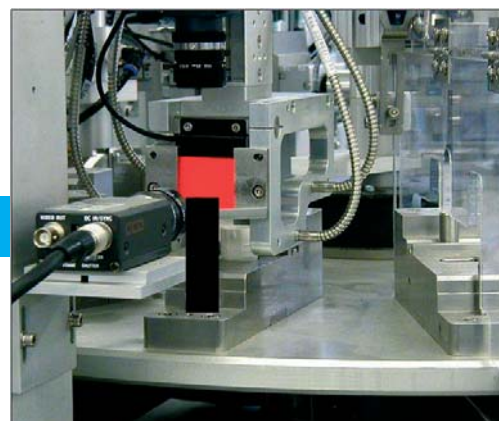
One person devoted to ensuring and maintaining the norms in force.

### **What we do**

- Flexible assembly lines
- Air lines
- Load cells
- Robotized cells
- Artificial vision stations
- High precision frames
- Special pallets
- Control tests
- Palletization
- Kinematic machines
- Product handling
- Assembly
- Test bench

### **Project development**

- The client's needs
- Project viability
- Study and prices
- Timing
- The client's approval
- Follow-up
- Reception

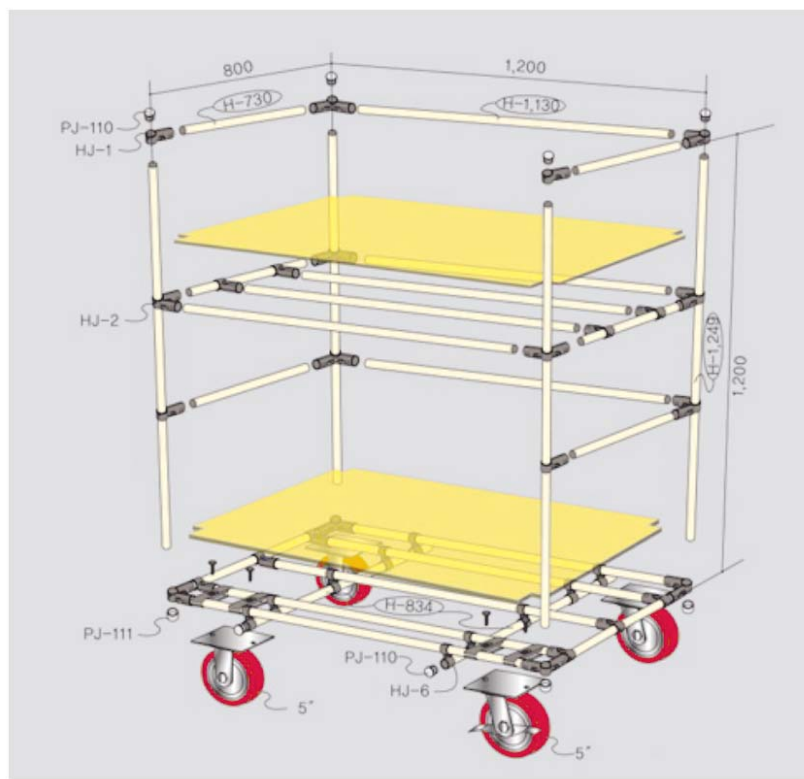


# Line Furniture

When we say line furniture we mean all types of shelves, containers and carriages which directly supply material to the assembly posts on the production lines.

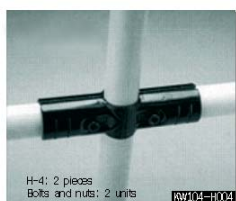
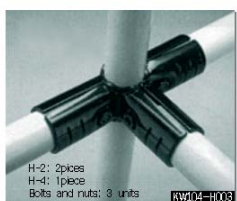
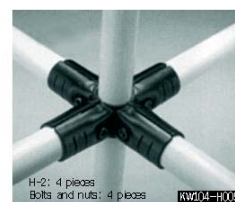
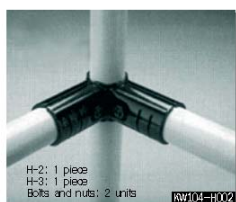
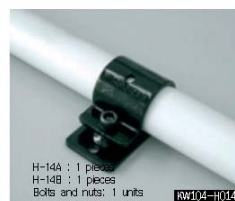
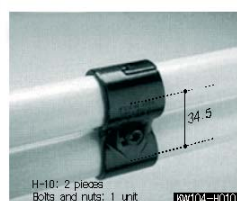
## BAMBOO SHELving

This type of shelving based on round tubes and metal joints makes for great flexibility on the assembly lines. As all the joints are screwed down, modifications may be made where necessary when there are changes in production. There is a wide range of accessories both for roller rails and for metal bases, fitting of wheels, etc.

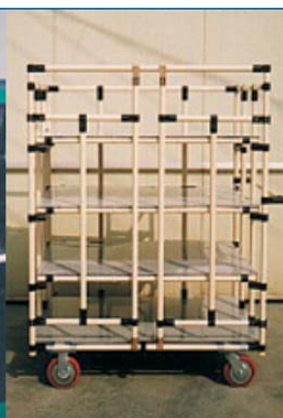
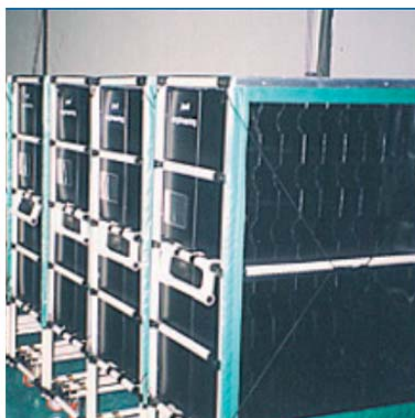
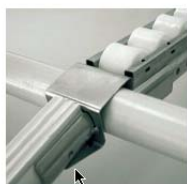
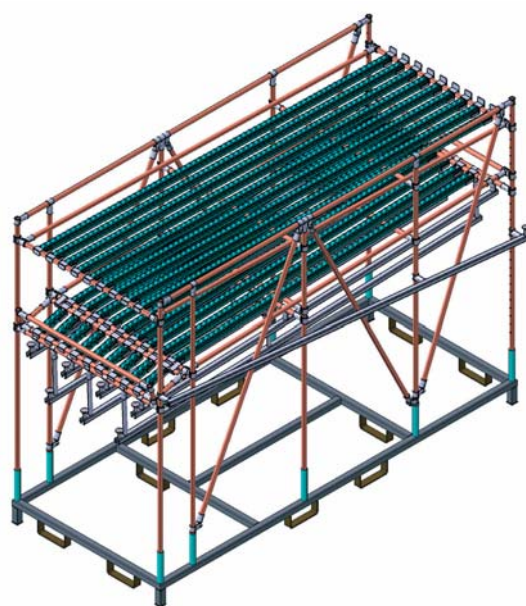
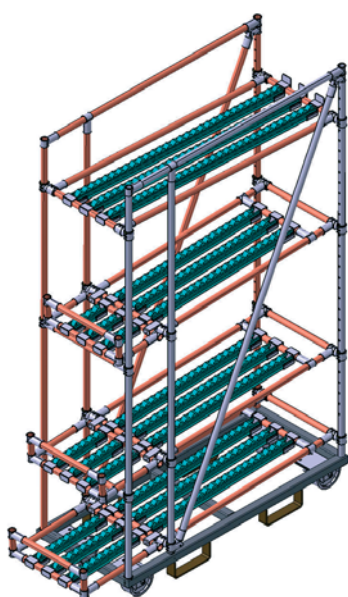




## BAMBOO SHELVING



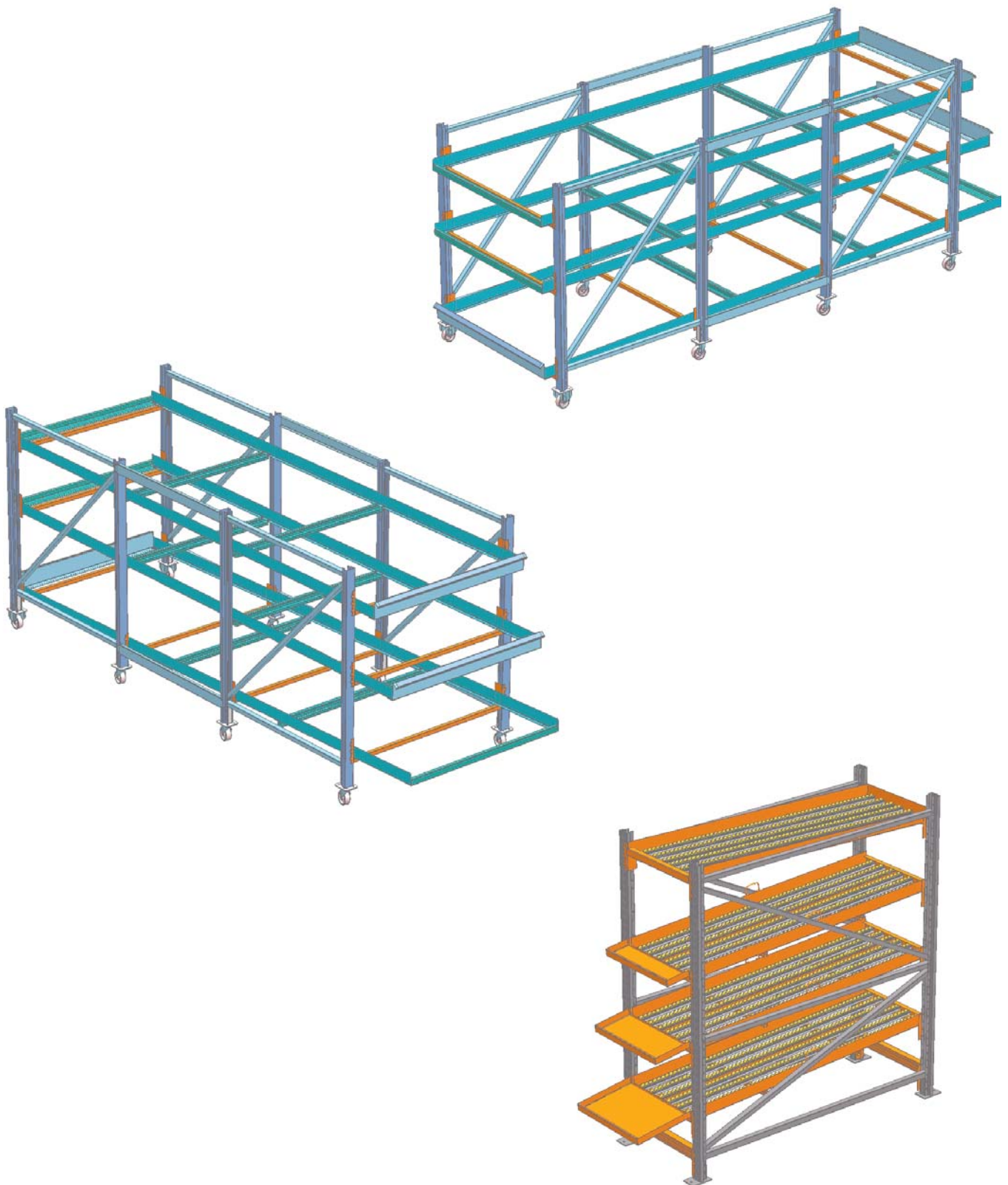
## BAMBOO SHELVING





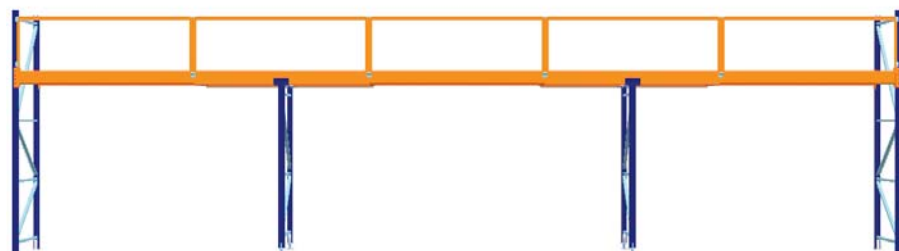
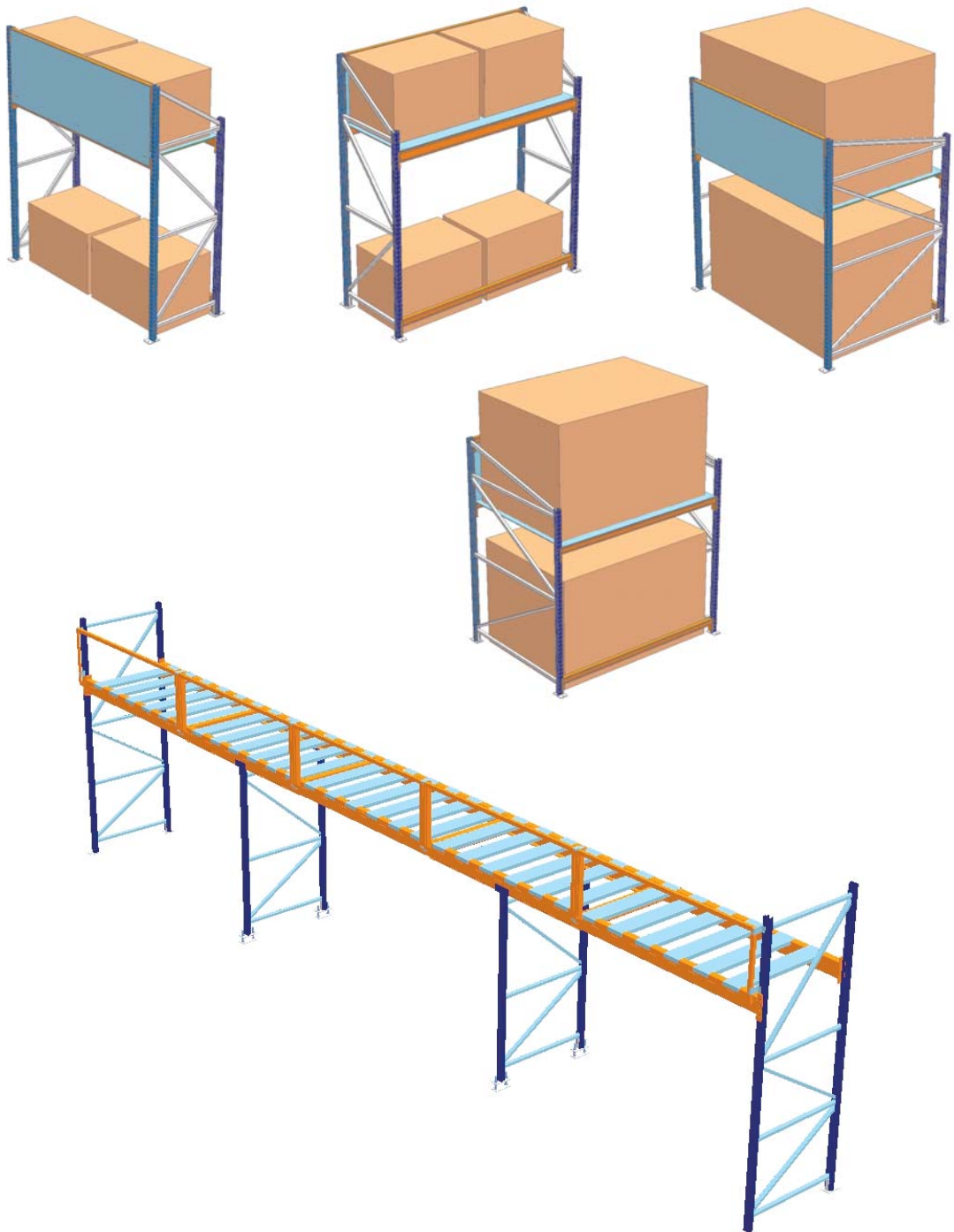
## DYNAMIC SHELVING

With our DINAMIK shelving range (see IMEPLUS shelving for heavy loads and IMEPAL shelving for medium loads) we can create furniture with gravity roller rails for supplying assembly posts with boxes.



## THIRD LEVEL SHELVING

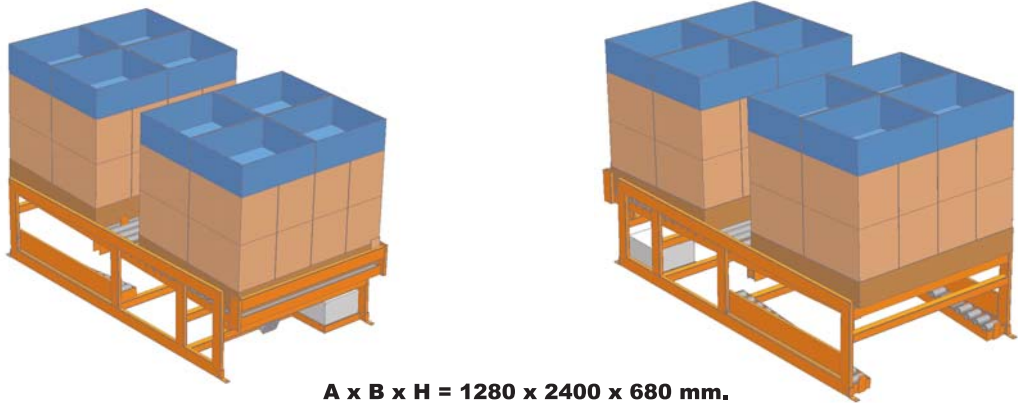
For work posts with specific containers, we supply shelves for loads of a certain height. They act as a buffer to the assembly line. Below are the containers that are being used. This is a great saving on space and supply time.



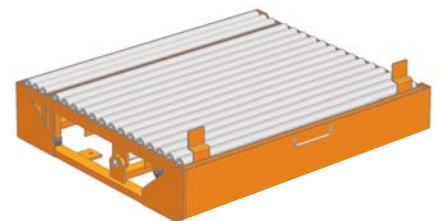
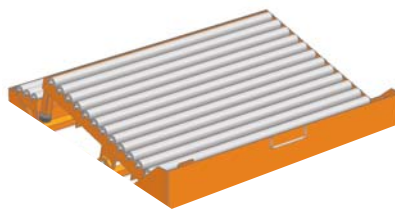
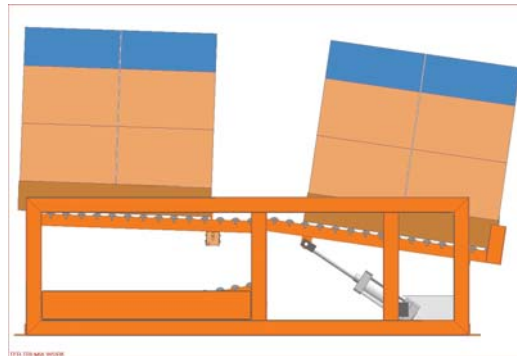
## PALLET CHANGER

This falls into the category of line furniture and is placed under third level shelves. It serves to supply the assembly lines with euro-pallets of 1200x1000mm. Loading is carried out on the opposite side of the work space. While one pallet is being unloaded another full one can be ready and waiting. The empty pallet is returned under the full one making the operator's work easier.

Next, the awaiting pallet moves mechanically to the work area.



**A x B x H = 1280 x 2400 x 680 mm.**



**A x B x H = 1250 x 1250 x 250  
1450 x 1250 x 250  
1700 x 1450 x 250**



**A = Exit area for pallets**

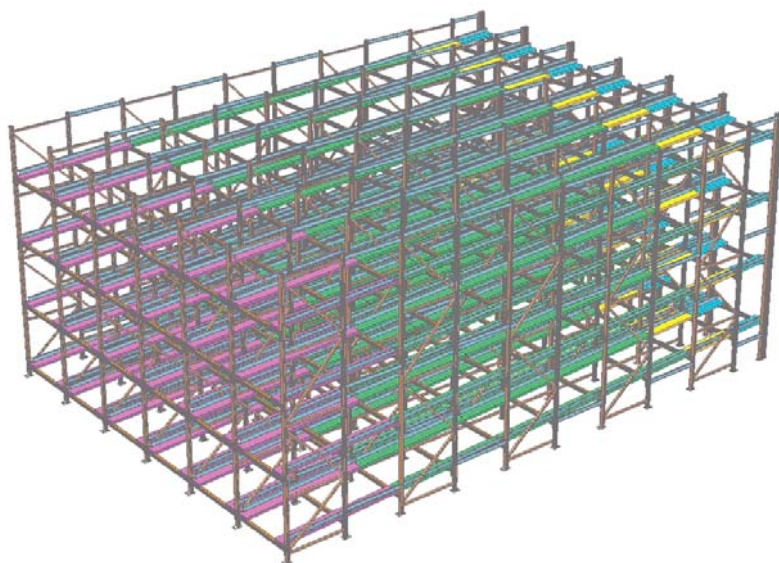


## DYNAMIC WAREHOUSES

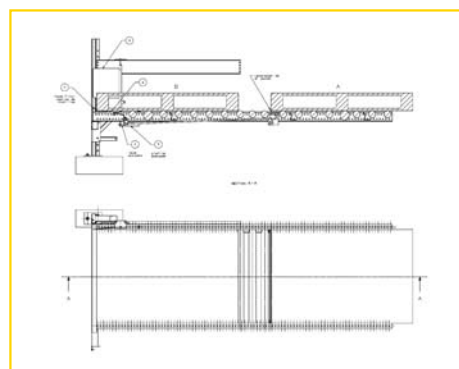
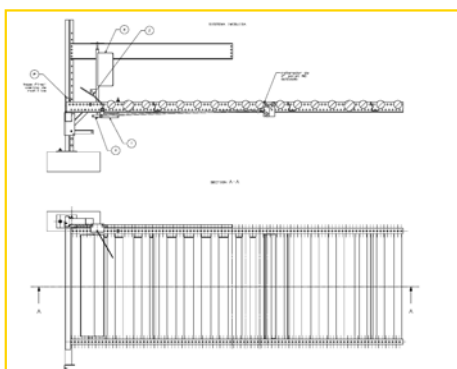
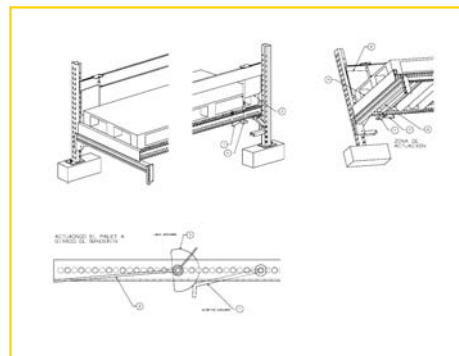
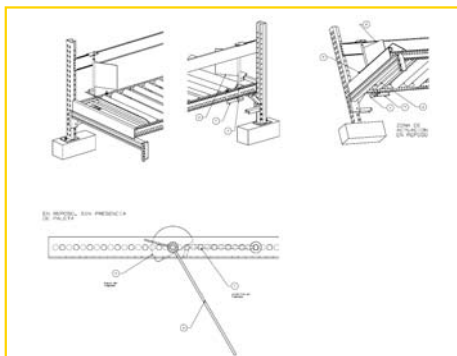
Occasionally, pallets which are used often or pallets of different references must be stored prior to assembly. We use roller rails for a maximum load of 1,200Kg. per pallet. They are equipped with a system whereby the second pallet is retained thus making unloading easier for the operator.

They may be automated by means of bar code scanners situated both at the entrance and the exit so that complete information may be had of: location of the part, quality, model, weight, etc. all this information is controlled by specific software for the Pick to Light System (see automatisms).

Imeguisa offers a **safety device** that ensures the total retention of the second pallet until the first pallet is completely removed from the shelf.

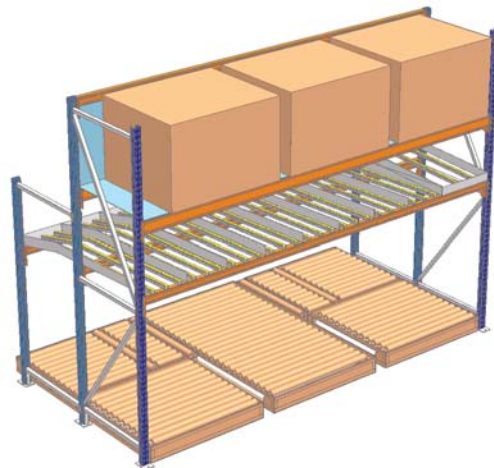
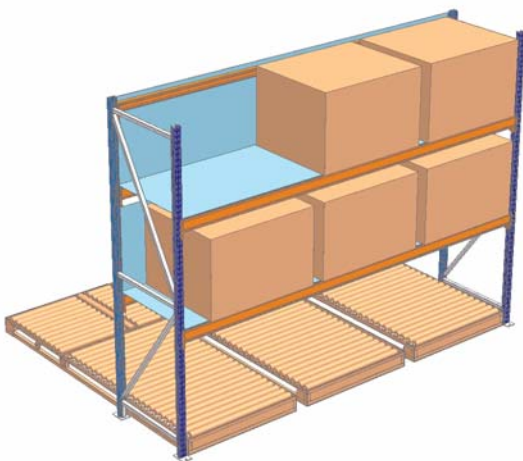
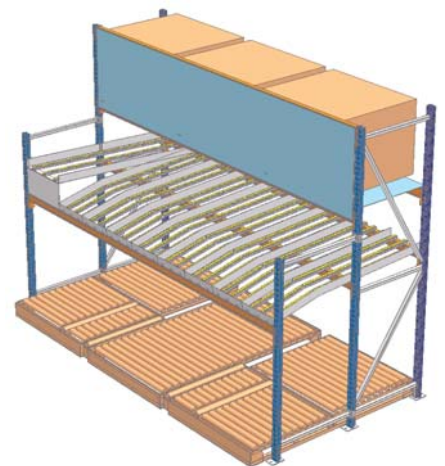
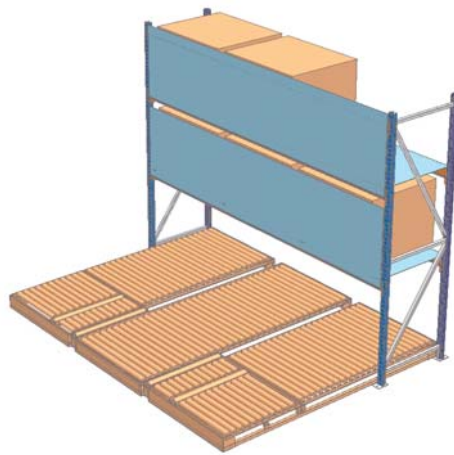
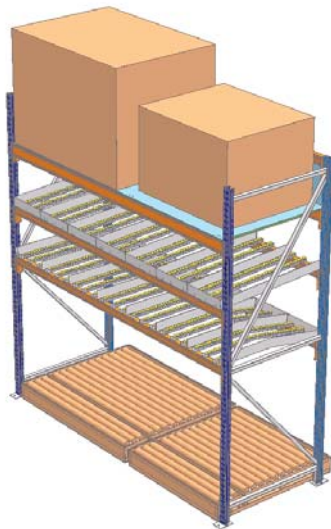
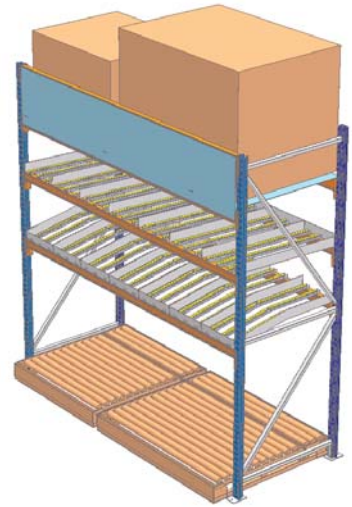
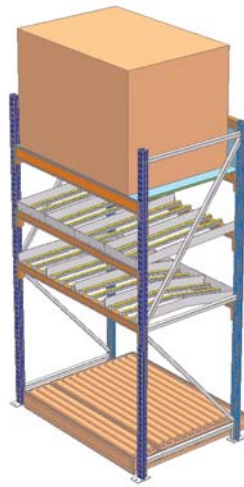
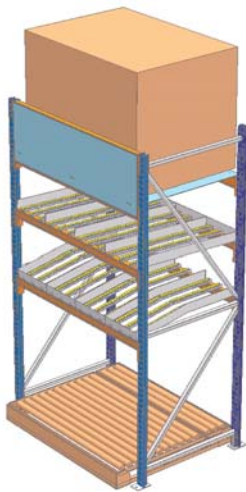


### Safety device





## COMBINED APPLICATIONS



## LINE CARRIAGES





# THE PICK TO LIGHT System

In collaboration with others, Imequisa carries out installations with Automatic Order Preparation Systems (Pick to Light Technology, Radio frequency...)

This is an automatic storing system designed for the handling and storing of loads of all sizes. It is a new system with unique features as far as speed and capacity of movement are concerned, which provides the solution to many problems in the field of Manufacturing and Automatic Distribution.

It is designed to offer a flexible and modular solution to the comprehensive management of warehouses as well as solutions to location and identification among others.





# Shelving

## FOR HEAVY LOADS

### IMEPLUS

Palletization shelving programme for heavy loads. Frames manufactured in thicknesses of 2 and 2.5mm with a load capacity of between 8,500 and 22,000 Kg. Space between levels – 50mm.

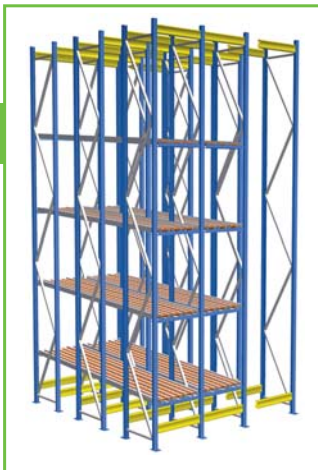
They are very versatile thanks to the different complements for all types of goods and uses.



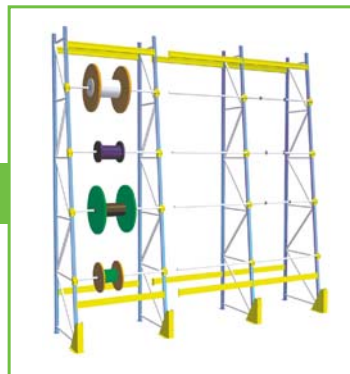
### Palletization



### Drive-in



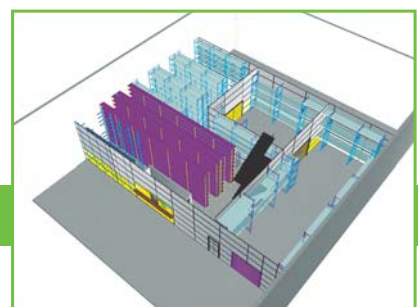
### Dinamik



### Spool-holder



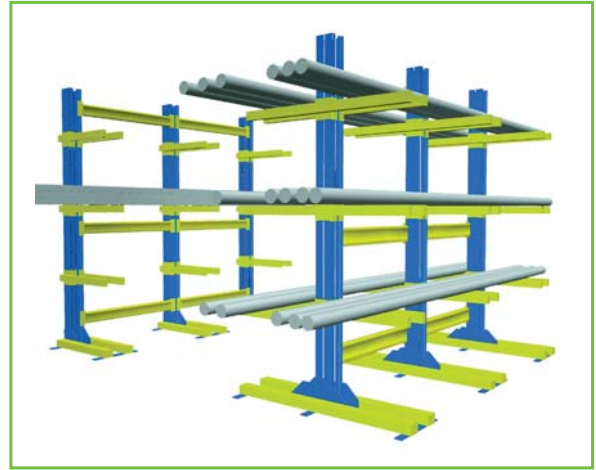
### Operated by rail dependent retrieval equipment



### Between levels

## CANTILEVER

Structures, the size and capacity of which are determined by the customer. Mainly for the purpose of storing materials of great length, steel tubes, flat bars, etc.



## SLIDE RACKING

Structures with guide rails for loads of between 500 and 2,000 Kg. they make for easier storing and unloading of heavy goods with a bridge crane.





# Shelving

## MEDIUM LOADS

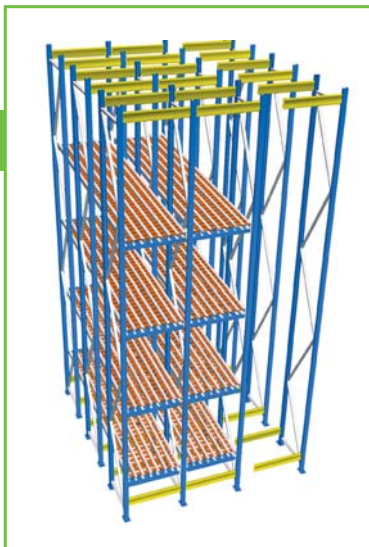
### IMEPAL

A shelving programme designed for all types of loads ranging from 500 to 1,000Kg. per level.

They are very versatile thanks to the various complements for all types of goods and uses.

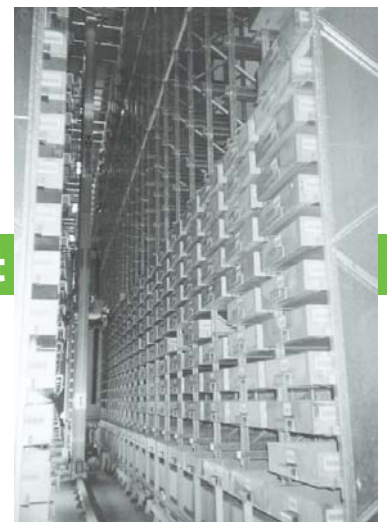


### Palletization



### Dinamik

### Between levels



### Operated by rail dependent retrieval equipment



# Shelving

## LIGHT LOADS

### IMESINTOR

A shelving programme for manual loads. Imesintor is highly recommendable for loads of up to 150Kg. per level and not more than 4,000Kg. per module.



### IMEKIT

This shelving is easy to assemble and is designed mainly for domestic use and does not require a technician. Maximum load capacity of 100Kg. per level evenly distributed.



# Shelving

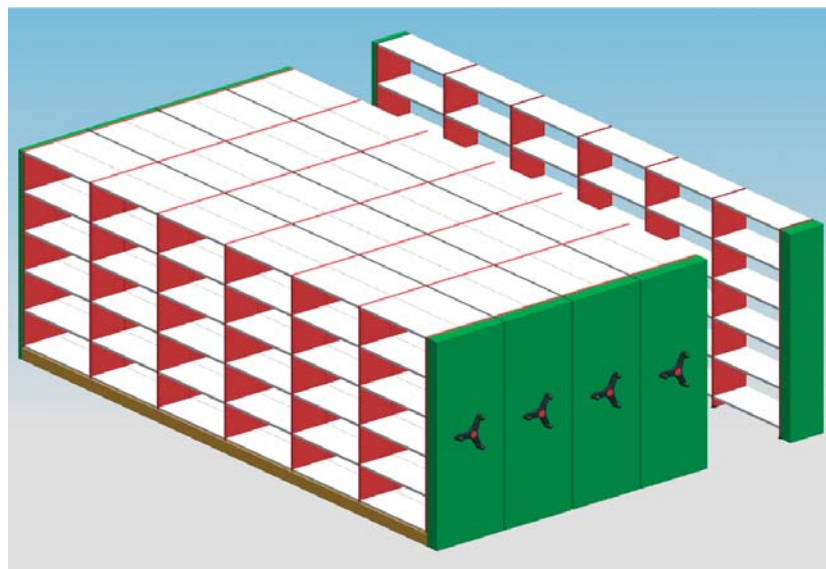
MOBILE

## IMEROD

### COMPACT SHELVING WITH SAFETY LOCKING DEVICE

A compact shelving programme for maximum saving on storage space is of the utmost priority. It is a carriage system which makes it possible to eliminate intermediate corridors thus making a saving on occupied space of over 50% in comparison with traditional shelving.

It may be adapted to offices, archives and industrial areas.



# Changing rooms

## AVANT LOCKERS

Imeguisa offers a wide range of large lockers for changing rooms, leisure areas, small lockers, etc. in its AVANT series.

Manufactured in sheet metal 0.7mm thick and coated in epoxy powder, they come in two versions: in one piece or dismantable.

They may also be coated with anti-bacterial paint.

We have the appropriate complements and accessories for all requirements or needs: height increasers, locking systems, bases, skirting boards, etc.



**1 height**



**2 heights**



**3 heights**



**4 heights**



**Combinations**



**Open**



## AVANT BENCHES

The Avant series offers a series of seating supports and benches which complete the area where the Imeguisa lockers are installed.

The three series are: built in, free-standing and free-standing with hangers.



L= 1,500mm  
L= 2,000mm for the standard bench



L= 1,200mm  
L= 1,800mm for the bench with hangers



## LAUNDRY FURNITURE

This includes a large or small locker for clean clothes and a locker or container with a flap for dirty clothes. The laundry service has access to both containers. The small locker has a single door for easy access to and supply of clothes or material to the user.

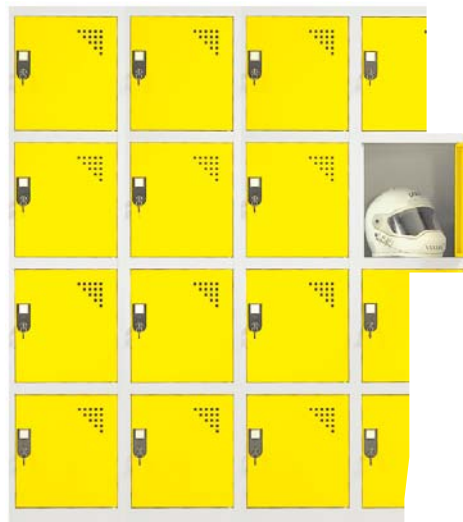


**For clean clothes**



**For dirty clothes**

## SPECIAL SMALL AND LARGE LOCKERS



**Small lockers**



**Large locker for cleaning equipment**



**Your future wardrobe?**



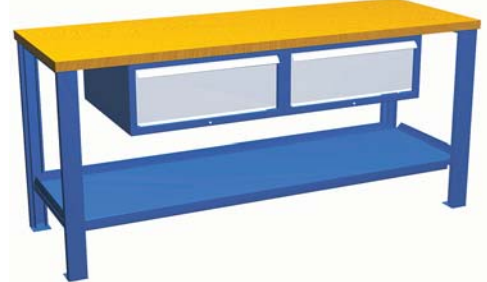
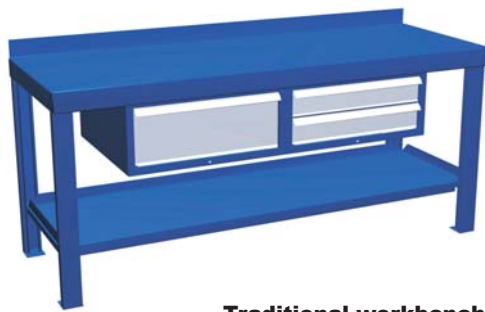
**Locker for firemen**

# Workshop

## WORKBENCHES

The most important aspect of these workbenches is their high resistance to continual use (whatever the workbench is used for).

Their welded metal structure gives them great rigidity which, regardless of their appearance, gives the user great confidence in the product.



**Traditional workbenches with or without drawers.  
The possibility of different drawer combinations.**



**K1- one 240mm  
high drawers.**



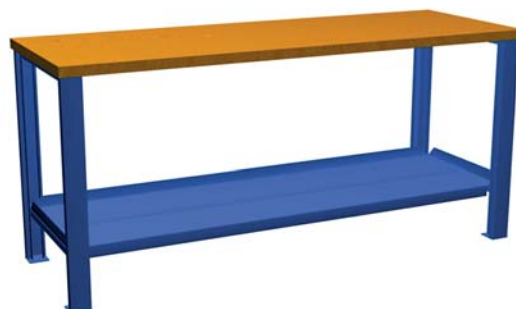
**K2- two  
120mm high  
drawers.**



**K3- three 80mm high  
drawers.**



**Workbenches with drawers from top to bottom from the MPG series  
The possibility of multiple combinations.**



**Workbenches from the BMD series  
the main feature of which is that they  
may be dismantled for easy transportation.**



## INDUSTRIAL CABINETS

Imeguisa offers a wide range of industrial cabinets to meet all requirements.

The aim of this versatility is to create organised, tidy work posts, where all the tools are protected and clearly classified.

Thanks to this type of classification (both of parts and tools) and thanks to the modularity of the cabinets, there is a great improvement in aesthetics and productivity.



**MPG**  
700x640x840 mm



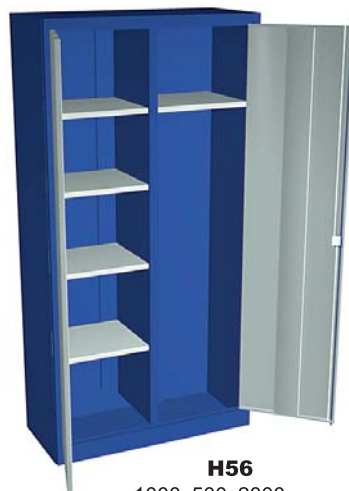
**PG**  
34x700x1060 mm  
1082x700x1060 mm



**PGP**  
834x700x1060 mm  
1082x700x1060 mm



**H54**  
1000x500x1000 mm



**H56**  
1000x500x2000 mm



**PCA**  
1400x720x1920 mm



**KAD**  
600x600x1600 mm



## ACCESSORIES

This furniture essentially serves as a complement to Imeguisa's range of products. Imeguisa offers flexibility and ideas for your company equipment.

With the collaboration of the client and our technicians, we will be able to offer you practical and economical alternatives.



**Tool carriage**



**Tool trolleys**



**Parts carriage**



**Cone rack**



**Tool holder boards**

# Aluminium

## ALUMINIUM SECTION LINE SHELVING





# METAL BASED CONTAINERS AND ALUMINIUM STRUCTURES



## Main clients

- PEUGEOT CITROEN
- RENAULT
- SEAT
- JUNTA DE ANDALUCIA
- IVECO
- NISSAN
- FAURECIA
- ULMA C Y E, S.COOP.
- REVOZ D.D.
- GOBIERNO VASCO
- SALVESEN LOGISFASHION
- GENERAL MOTORS
- BRIDGESTONE
- GORRUGADOS AZPEITIA, S.L.
- JOSE CHAROLA S.A.
- ITURRI S.A.
- LOGITEC
- S.T.A.
- MFG IBERICA S.L.
- W. DAUPHINE
- MERKAL CALZADOS S.L.
- EL CORTE INGLES S.A.
- GESTAMP
- LACKEY, S.A.
- ATUSA EMPRESARIAL, S.L.
- DAIMLERCHRYSLER
- CASPLE S.A.
- VOLKSWAGEN
- MINISTERIO DE DEFENSA
- MINISTERIO DE SANIDAD Y CONSUMO
- INTERNATIONAL AUTOMOTIVE COMPONENTS