

DEWAS TECHNO PRODUCTS PVT. LTD.



COMPLETE STORAGE SOLUTION PROVIDER

- Rack Supported Warehouse
- Cold Storage Racking
- Radio Pallet Shuttle Racking System
- Mobile Racking System
- Adjustable Pallet Racks
- Double Deep Racking System
- Drive-in Racks
- Long Span Shelving
- Cantilever Racks
- Mezzanine Floors (Multi Tier)
- Multi Tier Shelving
- Boltless (Rivet) Shelving
- Lockers
- Compactors
- Steel Bins / Trolleys
- Steel Pallets
- Stackable Racks
- Material Handling Equipments



www.giraffestorage.com





INTRODUCTION

GROUP COMPANIES

Dewas Techno Products Pvt Ltd, Dewas (Giraffe)
Dewas Metal Sections Ltd, Dewas, Pune, Ranipet (TN)
Dee Tee Industries Ltd, Indore
Decostyle Technics Pvt Ltd, Pithampur
Dee Tee Industries Ltd- P & P Division, Dewas

BRIEF

Dewas Techno Products Pvt. Ltd.

We introduce ourselves as one of the leading manufactures of "STORAGE SYSTEMS, PALLETS & COMPACTORS (Mobile Shelving Systems) and RACKS SUPPORTED WAREHOUSE". We have Heavy & Light Duty Racking System made out of our cold roll formed section, which can take a uniformly distributed maximum load up to 5750 kgs per shelf by use of modern material handling equipments like fork lifts etc. This system does not call for any welding at site, even then one is free to change the loading levels upwards or downwards in multiple of 50 mm. We plan the system as per the customer need and space available. Our racks and compactor system are widely used for different material handling application generated at all levels in different industries and sectors be it Automobile, Pharmaceutical, Engineering, Hospitality & Catering, Logistics, Supermarkets, Electronics, Retail, Food and Beverages, Agriculture & Seafood etc.

OBJECTIVE

"To Become A Leader In Storage Solution"

PRODUCT & SERVICES

PRODUCTS

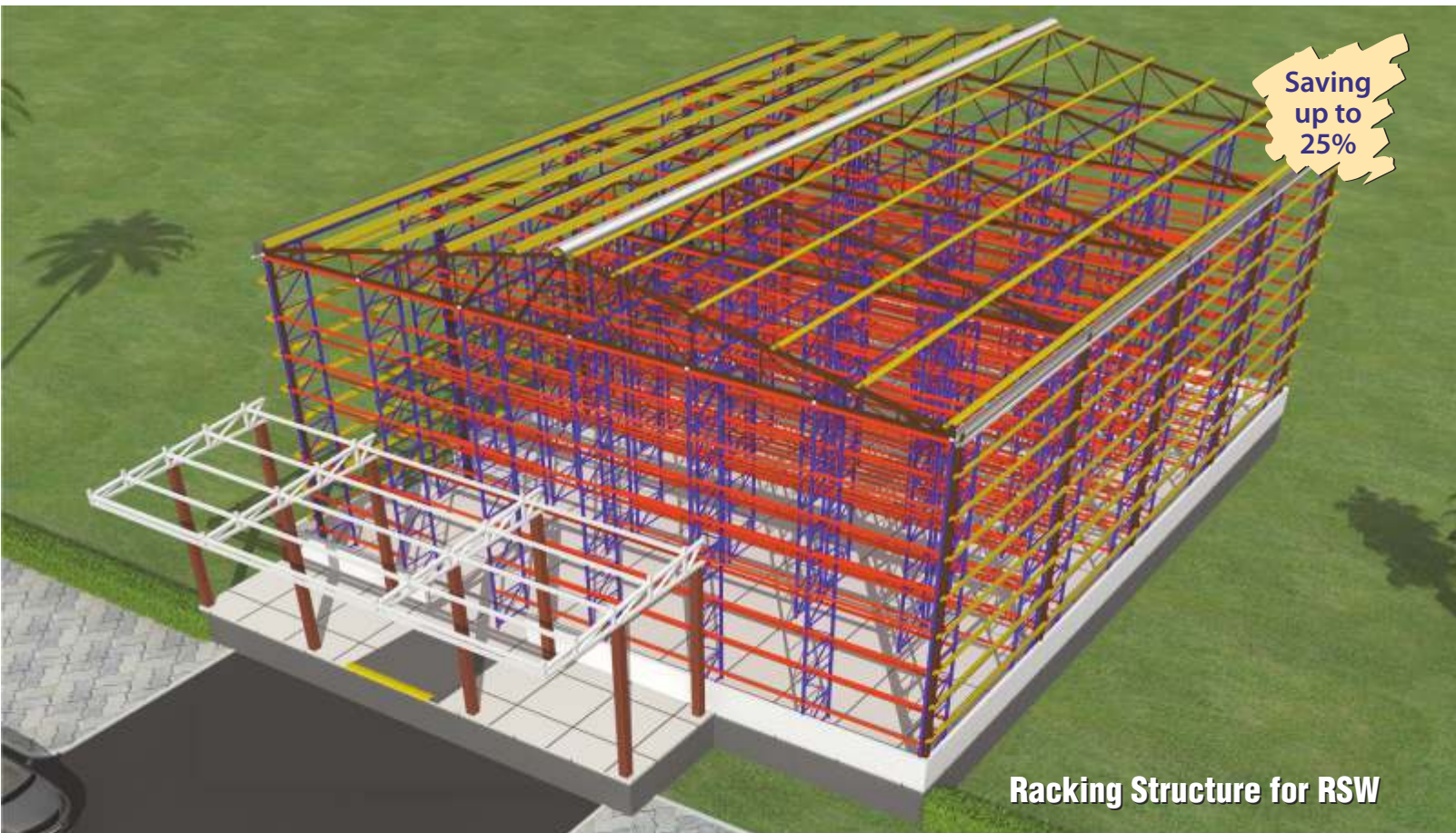
Rack Supported Warehouse
Mobile Racking System
Cold Storage Racking
Adjustable Pallet Racks
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Lockers
Compactors
Steel Bins / Trolleys
Steel Pallets
Stackable Racks
Material Handling Equipments

SERVICES

Consultancy
Designing
Installation
After Sales Service

- Project **ECONOMY** due to integrated Superstructure with Racks

Rack Supported Warehouse (Pre Engineered Building with Storage Solution)



In lieu of Storage Racks installed in Conventional Warehouses, we propose an Economical Solution by making a Rack Supported Warehouse (RSW), where apart from storage, Racks also undertake all the evenly distributed Loads of Superstructure and sheets as an Integrated Structure. Having Direct savings upto 25% in Cost of PEB Structure and also Civil Construction by Eliminating Heavy Foundation Footings, we have successfully installed many RSWs in India and abroad, in last 8 years.

Product - Integrated Solutions for Pre Engineered Warehouse with Storage has following ELEMENTS

Racks : Conventional/Double Deep Racks (Load Bearing), Superstructure with Trusses, Purlins & Cladding support structure.

Scope of Client - Civil Work : Raft Foundation and Floor Slab, with Walls, Gates, Rolling Shutters, Dock Levelers.
Electrical Work : Light arrangements/ Power Points for Equipment Charging.

Advantages - ECONOMY of SAVING in -

- Replacing wide Span Heavy Structure of PEB, Columns & Portal Frames with lower bearing racks.
- Light Superstructure and Lighter Reactions to Floor Slab, as Building Wind Loads are shared by more column posts.
- Lighter Purlin sections for less span structure
- Lighter Foundation Footings for Wall and Floor Loads only.
- OPTIMISED Space Planning with desired Area of warehouse only. (Upto 10%)
- Advantage of Efficient & FAST Completion of Project within 3-6 Months, hence immediate returns on Investment.

Structural Assurance

This whole Integrated Structure with racking Elements and Superstructure is Designed by our Dedicated Technical Team as per Latest IS Codes with High Tensile Steel Elements for WIND & SEISMIC Consideration.

• More Pallet Locations

Rack Supported Warehouse (Pre Engineered Building with Storage Solution)



RSW (Under Installation)



RSW, EGYPT (Under Installation)



RSW (Under Installation)



RSW (Under Installation)



RSW (Complete)



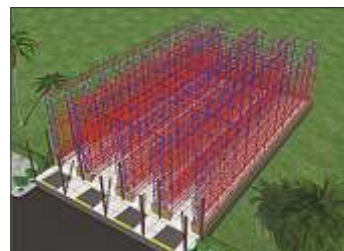
RSW, EGYPT



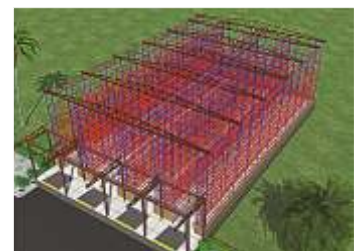
Floor & Wall



Racking Structure



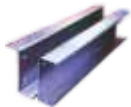
Dock Canopy



Trusses

• Saves Land Area

Rack Supported Warehouse (Pre Engineered Building with Storage Solution)



C/Z Purlins



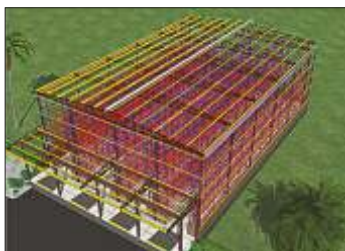
Screw less Roofing Sheet



Screw less Cladding Sheet



Steel Pallets



Purlins



Roof Sheets



Inside & Outside View



Side Sheets, Wind Extractors & Closed Docking

Cold Storage Racking



We intend to offer 'Giraffe Racking Systems' for Cold Storage and Warehouses. With having completed several Racking projects so far we now have a good experience and confidence, we can offer a very optimum solution for Cold Storage. We hold specialization in offering an extensive range of Giraffe Cold Storage Racks that is manufactured using the progressive technology and high grade raw material procured from the trusted and reliable vendors of this industry. These racks are available in various designs and specifications. We produce high quality Giraffe Cold storage Racks keeping in mind the diverse requirements of clients. Our Giraffe Cold Storage Racking Systems are acclaimed among the clients for durable standards and high quality.

Features

- Resistant to rust (Rust proof)
- Low maintenance
- Variety of designs
- Sturdiness
- Highly durable



Radio Pallet Shuttle Racking System



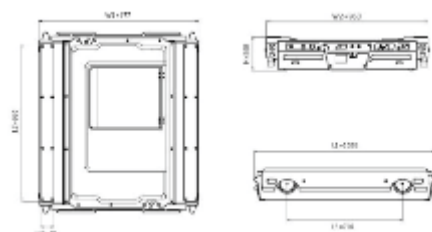
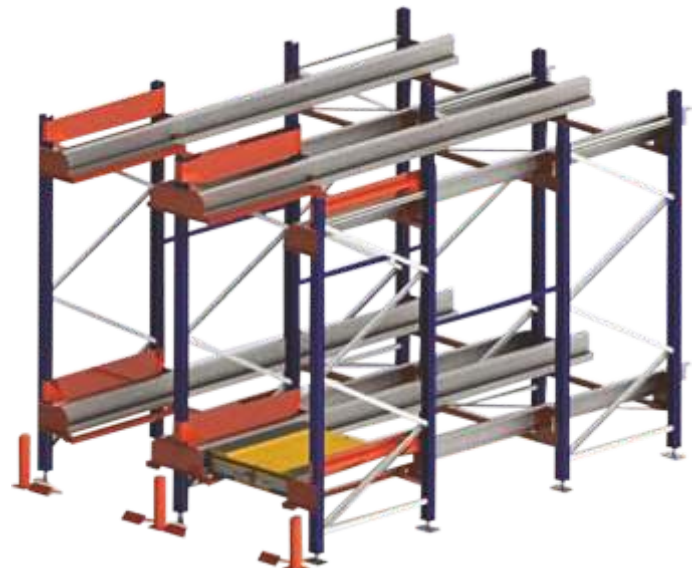
Giraffe Shuttle Pallet Racking system is Semi-automated storage solution for lane based storage, which combined Drive-in, Push back and Live- Storage systems in one. The Shuttle Pallet is remotely controlled by user and moved from one storage lane to another by forklift operator. It moves goods independently through the lane manually or automatically optimizing storage, loading and unloading stages. Giraffe Shuttle Pallet maximizes warehouse space eliminating aisles between pallets with a greater turnover rate. It provides high density storage and increases operational efficiency.

Advantages

- Minimum space Maximum storage capacity.
- It can work either as LIFO or as FIFO Storing system, which is efficient alternative to flow Racking Pushback and Drive-in Racking System.
- No risk of damage to the handling equipment or racks.
- Removes the need for specialist forklift trucks.
- Reduce number of forklifts and forklift Operators, and reduce operating cost.
- Working at -30°C/ +50°C temperature environment at the same time.
- Is able to store pallets with 800mm, 1000mm, 1200mm depth by the same Shuttle machine.
- High operating speed.
- Maximum carrying capacity 1500kg.

Stored Pallet Dimensions

Width	1200mm
Depth	800mm, 1000mm, 1100mm
Load Weight	1500kg
Pallet Quality	Europalet Quality Standard



Mobile Racking System



Giraffe High Design with 100% Selective Racking System.

The mobile racking solution from Giraffe, is the optimal solution for storage, providing dense pallet storage and helping to reduce costs for a new building or the possibility to better utilise existing warehouse storage space more efficiently.

Giraffe Mobile racking systems are selective racking mounted on heavy duty bases, which are electrically driven on tracks mounted into floor slab. When individual aisles open, state-of-the-art sensor technology and variable control options ensure ease of operation and absolutely safety. By converting racking aisles into useable space for logistics and other purposes, mobile racking systems can create up to 100% increase in available pallet locations, offering a cost effective storage solution.

Every GIRAFFE mobile racking system is equipped with modern safety controls which meet all International safety standards. A modular design concept allows the system to be designed specifically according to your preferences and requirements.

Features & Advantages

- First-in-first-out possible
- Maximum use of floor space –only one operating aisle
- Efficient utilisation of space plus time savings. Save up to 40% of the space required by conventional pallet racking
- Alternatively increase your storage capacity by up to 80%
- Goods stored can be locked
- Operational up to -30°C
- Directly accessible storage positions
- Saving in energy, operating and cleaning costs
- Shorter travel distances
- PLC operated bases using hand held remote control ensures an efficient operation
- Modular installation concept that can be extended at any time

From Racking to Mobile Racking



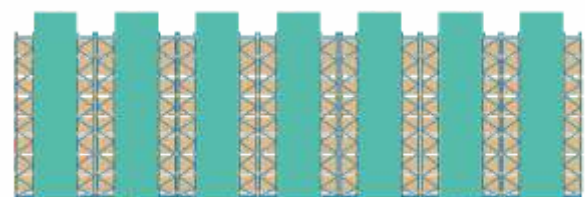
Motor

- 3-phase AC technology
- 4800 mm/min travel speed
- Cold store design (Optional)

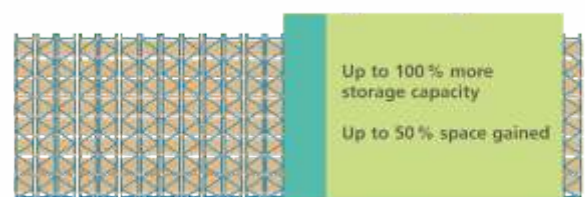
Drive

- Number of motors dependent on requirement
- Powered via drive shaft on one side of the racking
- Maintenance-free, self-lubricating bearings

Conventional rack storage system



Mobile rack storage system



Space required for trucks

Space saved

Adjustable Pallet Racks



For maximum utilization of space we offer a wide range of Giraffe Adjustable Pallet Racks or Pallet Storage Racks. These are manufactured using superior quality raw material (high tensile strength steel) and can easily store large and bulky items. Durable and precision engineered, our range can store commodities of different sizes.

Features

- Durable
- Precision engineered
- Smooth edges
- Efficient storage capacity
- Direct access to every pallet.
- Pallet can be removed without moving or displacing others.
- Makes stock control easy, since each pallet has its own location.
- Can be adapted to any size or weight of pallet.
- Offers high levels of storage density
- Automatic stock rotation

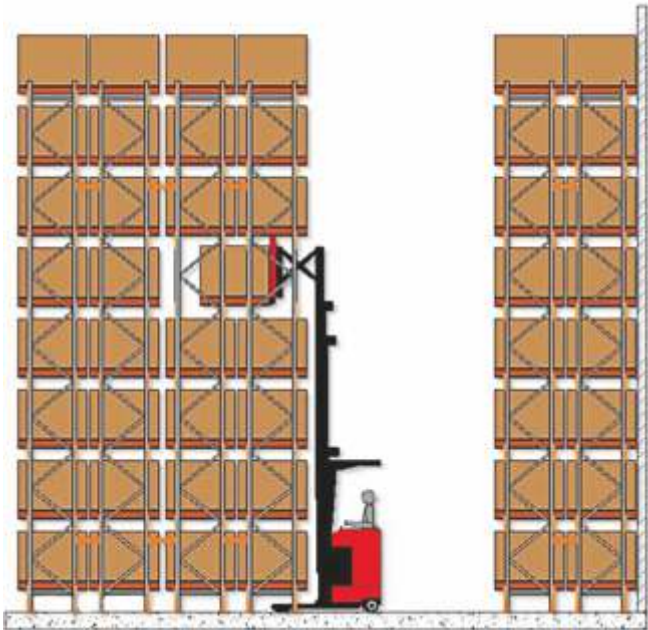
Components

1. Upright
2. Beams
3. Bracings
4. Frame Protector
5. Foot Plate
6. Pallet
7. Aisle



- Reduced number of access aisles
- Ideal for large bulk material

Double Deep Racking System



We offer comprehensive range of Giraffe Double Deep Racks, which are drive-in type of racks having double deep arrangement for keeping and retrieval of pallets. These racks provide prudent use of floor space. Double Deep is a system of upright frames and horizontal beams available in wide range of sizes and load capacity. Using specialist trucks, Giraffe Double Deep Racking is designed to store pallets two deep. This enables excellent storage efficiency within the warehouse. Our range can be customized as per the requirements of our clients.

Features

- Pallets Can be stored two deep whilst retaining accessibility
- Reduced number of access aisles
- Ideal for large material
- Reduced number of access aisles means additional racking can be accommodated.
- Storage density is increased

Components

1. Upright
2. Bracing
3. Beams
4. Foot Plate
5. Channel
6. Pallet



- High Storage Density
- Efficient bulk storage system

Drive-in Racks



Giraffe Drive-in Racking is a system of vertical upright frames and horizontal support rails, which allows pallets to be supported vertically and in multiple depths. The support rails allow stackers to enter the rack and so enables multiple depth storage. This type of racking is ideal for filling large areas of a warehouse with multi deep, multi wide and multi high blocks of pallets. Drive-in is usually specified for first in-last out storage situations. Perishable, crushable unwieldy or awkward shaped goods that cannot be self stacked are likely candidates for this specialist solution. Cold stores often specify this type of racking as it is an ideal method when storing predictable batch movements of palletized loads. The system provides blocks of static storage where pallets are stored two or more deep. Having driven in, the truck then has to reverse out. It offers restricted selectivity of individual pallets but provides effective high density storage with good use of the 'cube'. The continuous blocks of racking (no aisles) allows for truck access directly into the system placing goods next in line one behind the other on cantilevered rails each side of the lane.

Features

- A high density space efficient bulk storage system.
- Can increase storage capacity by up to 60% over wide aisle racking
- Works on a first pallet in, last pallet out system.
- Pallets stored on cantilevered rails.
- No specialist handling equipment required
- Good for storing seasonal ranges.

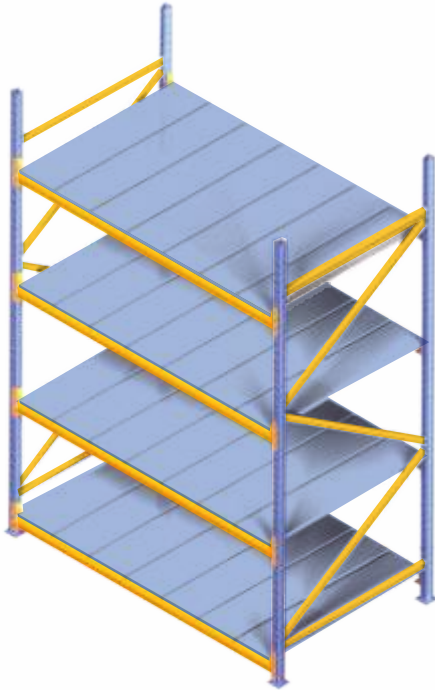
Components

1. Upright
2. Top Bracings
3. Bracket
4. Drive-in Fall
5. Pallet



- Easy accessibility to levels
- Easily managed, installed, configured

Long Span Shelving



We offer Giraffe Long Span Shelving which is a modular frame and beam shelving system that caters easily for large bulk items. Giraffe Long Span Shelving is constructively similar to light pallet racking but designed to store non-palletised goods. This is an intermediate application in between light and heavy-duty applications. Long span Shelving is designed for loading/unloading goods manually without mechanical equipment. Stored goods can be from smallest components to large and awkwardly shaped items. Durable and precision engineered, our range is both durable and safe to use. It can be customized as per the specific requirements of our clients.

Features

- Available in wide range of sizes and duties
- Easily configured to meet your load volume, weight and handling requirements
- Adjustable beam levels for varying pallet heights
- Aisles designed for counter balance or reach truck operations
- Offers easy accessibility to pallets
- Easily manages non-uniform loads
- Easily installed whilst its versatility makes it a cost effective solution
- Does not require specialist truck training

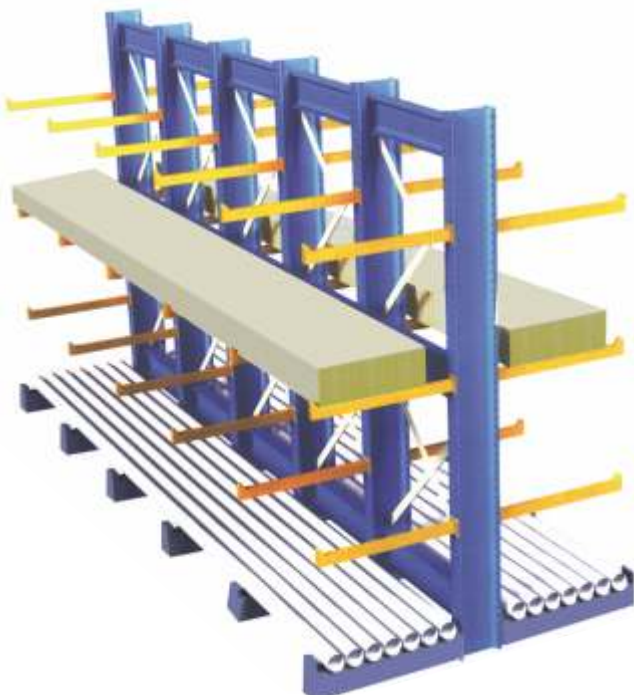
Components

1. Upright
2. Beams
3. Bracings
4. Shelves
5. Foot Plate



- Designed to handle long and awkward loads
- Labour efficiency

Cantilever Racks



Giraffe Cantilever Racking is formed using Heavy Duty Structural Uprights and Heavy Duty Arms. It is normally used for storage of long products. Giraffe Cantilever Racks are great to organize a Warehouse, Lumber Yard or Manufacturing Facility. So often, companies put bulk items like Pipes, Tubes, Aluminum Sheets, Flake Board, Steel Sheets, etc. in piles on the floor - leaving it to the warehouse personnel to constantly sort unrelated heavy & bulky items. With cantilever racks, each type of product can be segregated by commodity & size.

Features

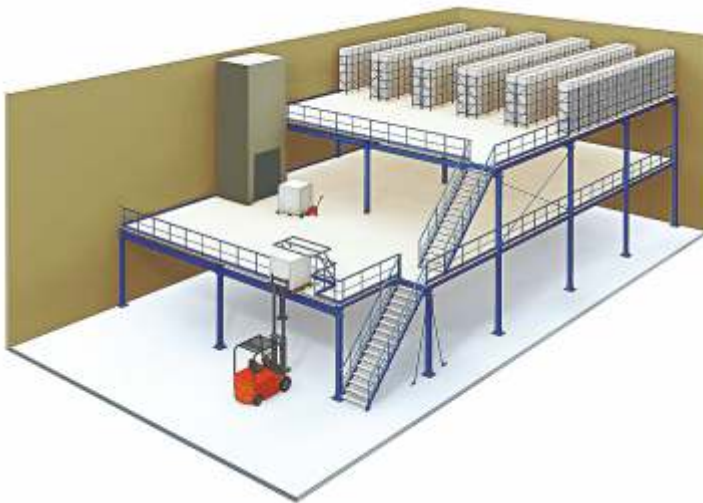
- Designed to handle long and awkward loads that are not palletised
- Ideal for goods that need to be supported across two or more arms
- Available in light and heavy duty
- By fitting decks across the cantilever arms wide shelves can be created to suit varying loads.
- Warehouse rack system pays for itself in labour efficiency
- Reduction in injury and accuracy in picking stock.

Components

1. Column
2. Connecting Beams
3. Cantilever Arms
4. End Stopper
5. Bracing
6. Base Arms



Mezzanine Floors (Multi Tier)



The Giraffe Mezzanine racks can increase the storage capacity of any place to a great extent. Giraffe Mezzanine Floors create extra floor space by using heavy duty structural steel section decked in, steel plates or open mesh to create a second storey. Whether your requirement is simple or complex, when you buy your storage solution from GIRAFFE you will benefit from our vast knowledge of maximising warehouse and office usability and efficiency.

Features

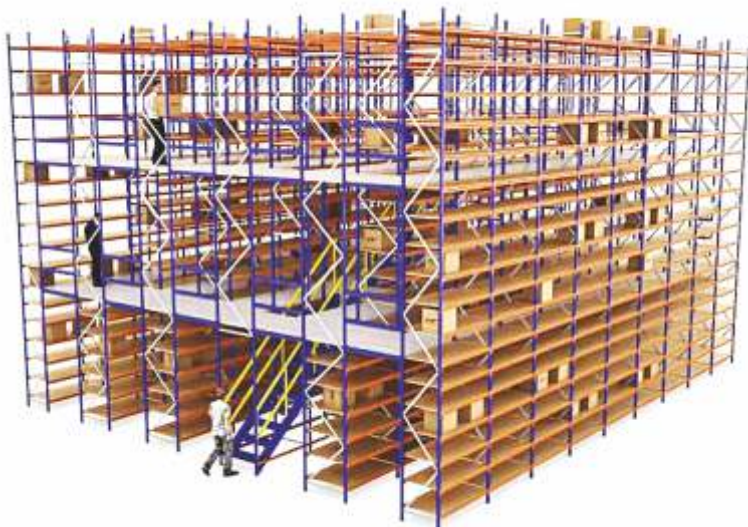
- A stable new floor to hold additional storage
- Can be designed to offer the greatest clear space on the ground for additional activities/storage
- Enables you to maximise the usable height within your warehouse
- Reduces Cost of Construction by allowing efficient use of space
- No extra costs for heat, lights, or air conditioning
- Can be easily enlarged, modified, or moved
- Two tier wide space racks
- Gives additional space without adding ratable value to your property.

Components

1. Column
2. Primary Beams
3. Secondary Beams
4. Flooring Panels
5. Railing
6. Staircase



Multi Tier Shelving



Giraffe Multi Tier Shelving are designed to be used as economical shelving, racking, workbench, cart, ladder, table or any other type of structure to your own specifications. Multi Tier Shelving can be adopted to double or treble your storage space. Complete with catwalks and stair cases and railings.

Features

- Economical
- Interchangeability of parts
- Easy and do-it-Assembly
- Provides clear access from all sides
- Varieties of decking shelves
- Finished in attractive colours
- Powder coated
- Uprights with adjustable steel shelves
- No welding or drilling required
- Multi Tier Storage



• Easy Self Assembly • Economical • Strong • Flexible

Boltless (Rivet) Shelving



Components : 1. Upright 2. Foot Plate 3. Riveted Beam 4. MDF Panel/Steel Shelves

Giraffe Boltless (Rivet) Shelving offers an economical solution to any storage need, from the small back room to the multi-level archive storage system. Part interchangeability and easy assembly are only two of the many reasons why Giraffe Boltless (Rivet) Shelving can solve Storage problems and save money. We call Giraffe Boltless (Rivet) Shelving the Universal Shelf Framing System because so many storage requirements can be met by only a few simple components. Giraffe Boltless (Rivet) Shelving is engineered to provide safe, economical storage of virtually any type of hand loaded material. Structural integrity is ensured by a rigid boltless connection between beams and posts.

Height (mm)	Width (mm)	Depth (mm)	Load (Kgs.)
2000	900	450	150
2000	900	450	250
2000	1200	450	150
2000	1200	450	250

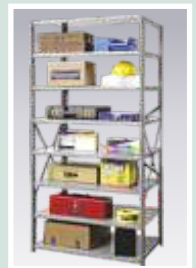
Customised sizes can also be made.

Features

- Boltless
- Easy Self Assembly
- Economical and Flexible
- Finished in Attractive Colours.
- Interchangeability of parts
- Provides clear Access from all sides
- Shelves are Adjustable at pitch of 1.5 inches/38 mm.
- Varieties of decking shelves

Users

- Educational Institutes
- Industries
- Logistic Companies
- Warehousing
- Hospitals
- Library
- Offices
- Others



• Economical • Individual Locking Systems • Powder Coated

Lockers



Giraffe Lockers have multiple Lockers which makes the storing of products easier & safe. Giraffe Lockers are Powder Coated, provided with individual Locks and are available in different sizes and dimensions as per Customers requirement. Giraffe Lockers have Ventilating Louvers and Built in locks. These Lockers are most suitable for Workers, Company Staff, Students, Club Members, etc.

Our Standard Models

Lockers	Outer Dimension (mm)	Inner Dimension (mm) of 1 Locker
6 Door	1900(H) x 380(D) x 915(W)	255(W) x 875(H) x 380(D)
9 Door	1900(H) x 380(D) x 915(W)	255(W) x 575(H) x 380(D)
12 Door	1900(H) x 380(D) x 915(W)	255(W) x 425(H) x 380(D)
15 Door	1900(H) x 380(D) x 915(W)	255(W) x 335(H) x 380(D)
18 Door	1900(H) x 380(D) x 915(W)	255(W) x 275(H) x 380(D)

Customised sizes are also available.

Features

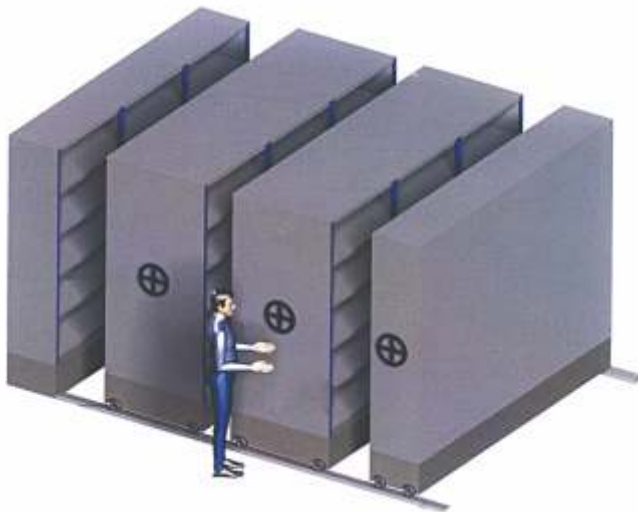
- Economical
- Individual Locking System
- Louvers are available for ventilation
- Powder coated
- Suitable for Workers, Company Staff, Students, Club Members

Users

- Clubs & Gym
- Educational Institutes
- Logistic Companies
- Offices
- Water park
- Hospitals
- Industries
- Library
- Warehousing
- Others



Compactors



Giraffe Mobile Shelving is standard shelving mounted on a mobile base, creating excellent storage efficiency. These are mobile trolley (chassis) mounted shelving systems that move on rails that provide maximum storage capacity. These systems have only one access corridor thereby increasing efficiency of the storage. Compactors are completely safe to use. The entire compactor is clad with powder coated steel sheets. It is smooth, noiseless and easy to maintain. The system allows the user to open the mobile units to retrieve and file items.

Features and Options

- Anti-Tilt
 - Central Locking
 - Safe Lock
 - Accidental movement is prevented through an aisle lock.
 - Sound Buffer Button
 - Pre-coated/ Powder Epoxy Coating
 - Adjustable Shelves (35 mm intervals)
 - Easy Retrieval & Reference
 - Space Saving
 - Customised Design – In case of large requirement
 - Heavy duty & durable tracks
 - Cost Effective
- Manual System & Mechanical System both are provided

Can be used for

- Filing, • Light-Weight multiple Product Storage • Storage of Expensive items

Users

- Industries
- Educational Institutes
- Logistic Companies
- Pharma Industries
- Offices
- Hospitals
- Library
- Warehousing
- Others

Components

1. Selves 2. Manual Crank Wheel 3. Base Wheels
4. Guide Rail 5. Side Cladding 6. Top Cladding



• Efficient use of space • Reduction in cost of construction

Steel Bins / Trolleys



**Closed Type
Box Pallet**



**Wire Mesh
Box Pallet**



Stackable Bins



**Four Slides Foldable /
Collapsible Box Pallets**

We offer the optimal quality Giraffe Bins / Trolleys in the domestic as well as global market. The industrial Giraffe Bins / Trolleys we manufacture is various range and specification. Customized shape size and specification can also be made.

Vast Range

- Closed Type
- Closed Perforated
- Four Sides Foldable/ Collapsible
- Front Half Foldable
- Small Bins
- Closed Wire Mesh

Features

- Stackable
- Customised Dimensions
- Customised Load Capacity
- Minimum Fabrication
- Smooth edges
- Vast Range

Users

- Industries
- Pharma Industries
- Automobile Industries
- Warehousing
- Logistic companies
- Others

Used for

- Storage of material at a fixed place
- In-house movements of material
- Transportation of material
- Efficient storage capacity



Trolley Type Bin Box



Collapsible Cage Bin

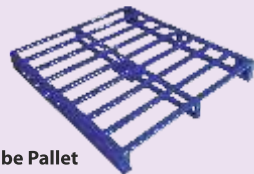


Front half foldable wire mesh Bin

Steel Pallets



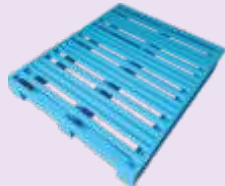
Steel Pallet



Tube Pallet



Flat Pallets



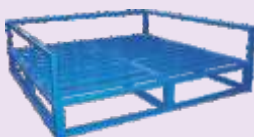
Tube Pallets with Top Corrugated Panels



Corrugated Pallet



Flat Pallet with side support



Tube Pallet with Side Support



Flat Pallet with side railings



Covered With Sheet Pallet

We offer the optimal quality Giraffe Steel Pallets in the domestic as well as global market. The industrial Giraffe Steel Pallets we manufacture is various range and specification. Customized shape size and specification can also be made.

Single deck steel pallet can be used only on one side and it has two / four side entry for the forklift and stackers.

Steel pallets having two way entry type pallets are preferred for use in heavy duty racking system.

Any practical size of steel pallet can be made as per customer requirement. Load bearing capacity from upto 3000kg UDL.

Vast Range

- Tube Pallet
- Two Way Pallet
- Flat Pallet
- Four Way Pallet

Features

- Customised Dimensions
- Customised Load Capacity
- Minimum Fabrication
- Smooth edges
- Vast Range

Used for

- Storage of material at a fixed place
- In-house movements of material
- Efficient storage capacity

Users

- Industries
- Warehouseing
- Pharma Industries
- Logistic companies
- Automobile Industries
- Others

• Economical • Stackable • Fix Rack Design

Stackable Racks



For maximum utilization of space we offer a wide range of Giraffe Stackable Racks. These are manufactured using superior quality raw material (high tensile strength steel) and can easily store large and bulky items. Durable and precision engineered, our range can store commodities of different sizes. Our Giraffe Stackable Racks products combine superior product protection and the stability of steel stacking frames with the load capacity and handling efficiency of pallets. Giraffe Stackable Racks save valuable floor space by utilizing vertical air space and enable you to move more material in less time.

Features

- Giraffe Stackable Racks incorporate a fixed track design that can service systems much higher than standard lift equipment. Can be adapted to any size or weight of pallet.
- Stackable to save your warehouse space and efficient storage capacity.
- The racks can be designed for different weight capacities and different sizes.
- Makes stock control easy, since each Stackable Rack has its own location.
- Used for long-term or as temporary storage next to machining or work stations.
- More storage in less space.
- No need to leave aisles.
- No empty shelves, just stack inside one another for storage when not in use.
- Maintenance free.
- Perfect for last-in, first-out inventories.
Just stack them against the wall as deep as you please.



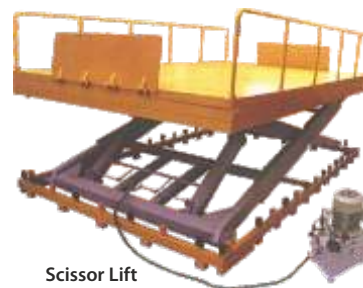
Material Handling Equipments



Hydraulic Pallet Truck



Semi Electric Stacker



Scissor Lift



Semi Electric Order Picker



Hydraulic Goods Lift
(Two Channel Guide)



Hydraulic Goods Lift
(Four Channel Guide)

SECTORS

- AUTO MOBILE SECTOR
- ENGINEERING SECTOR
- FURNITURE & INTERIOR
- PAPER & PRINTING INDUSTRIES
- STEEL SECTOR
- TEXTILE INDUSTRIES
- ELECTRIC & ELECTRONIC INDUSTRIES
- FOOD AND BEVERAGES SECTOR
- GOVERNMENT SECTOR
- PHARMACEUTICALS SECTOR
- SUGAR INDUSTRIES
- OTHER SECTORS

Our Valuable Customers



adani



Company's Infrastructure



Factory



Raw Material Area



Sheet Metal Dept.



Shearing Machine



Press Brake



Amada Press Brake



Amada Turret Punching



Beam Forming Line



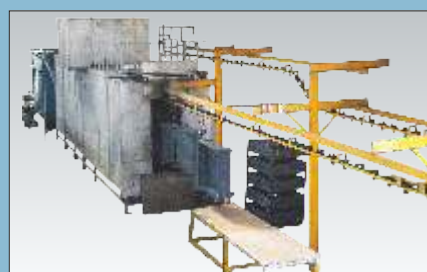
Pre Punching Forming Line



Fabrication Area



Fabrication



Powder Coating Conveyor Line



Finished Goods Area



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