



**BARI Engineering**  
TOTAL STORAGE SOLUTION  
THE BRILLIANT USE OF SPACE

**RACKS MANUFACTURER**



**Total Storage Solution  
Product Catalogue**

## HISTORY

01

Bari Engineering was Established in 2012, Specialized in the Design & Production of Warehouse Racks, Pallet Racking, Warehouse Shelving, Industrial Storage Solution, Super Market Shelving, Shopping Trolley, Plastic Basket, & Other Space Saving Products, Amount of Hundred Types & Specification, It Extends its Business in Domestic Market Covers Nation - Wide, The Plant Located at Main Multan Road, Lahore Punjab - Pakistan & it Set up Sales Display at Lahore.

## BARI ENGINEERING TODAY

In the Past, Companies was in Search of Imported Racks Due to their Quality So We Decided To Take a Step to Change the Traditional System, with Steady & Stable Growth, **BARI ENGINEERING** invested To Build a New Factory in 2012, and Strengthen on The Investment on the Production Equipments to Perform the Process of Numerical Controlled Punching, Auto - Cutting & Static Spray Powder Coating, Roll Forming Machines & Some Other Automatic Machines, Aim to Complete The Whole Production To Basically Improve the Traditional Methods & Production Capacity with Enhanced Product Quality.

**BARI ENGINEERING** Emphasized on Fostering of Talents. With the Clearly & Sight on Market, These Young Talents Develop & Design New Product To Keep the Well Known Brands in the Environment of Furious Competition

"Bari Engineering Will Provide Customers with Approving Products & create more Profit which is Reliable, Further More, We would like to Cooperate with Every Customer Hand To Create a Bright Future."



**M. AWAIS BARI**  
C.E.O BARI ENGINEERING







## RAW MATERIAL



## AUTOMATIC PRODUCTION LINE



## ROBOTIC WELDING



## POWDER COATING LINE





# LIST OF MACHINERY

## FACTORY SITE

04

CNC Sharing Machine



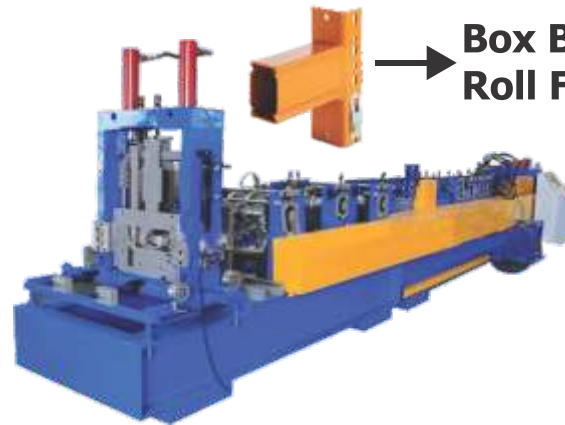
CNC Bending Machine



Welding Robot



Box Beam Roll Forming



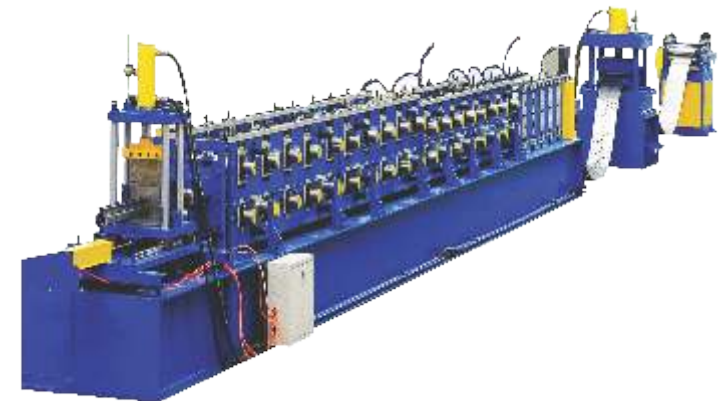
Step Beam Roll Forming



Up-Right Roll Forming



Shelf Panel Roll Forming



# OUR VALUABLE CLIENTS

05





# OUR VALUABLE CLIENTS

06



# BOLTLESS RACK

## WITHOUT NUT & BOLTS EASY INSTALLATION

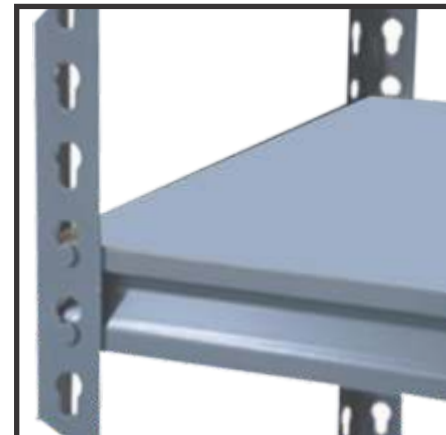
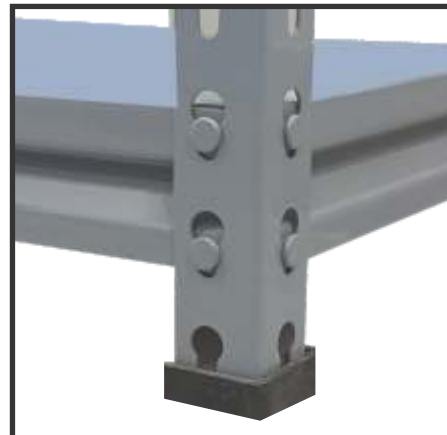
07

- ◆ Strong & Durable
- ◆ Without Nut & Bolts Fitting
- ◆ MDF Laminated Shelf
- ◆ Easy Assembly
- ◆ Powder Coated Finish
- ◆ Loading Capacity 100kg/Shelf

**D      W      H**

### Different Sizes

- ◆ 12" X 36" X 72"
- ◆ 12" X 48" X 72"
- ◆ 16" X 36" X 72"
- ◆ 16" X 48" X 72"
- ◆ 24" X 36" X 72"
- ◆ 24" X 48" X 72"





## LIVING ROOM RACK



## KITCHEN RACK



## OFFICE FILE RACK



## STORE ROOM RACK



## GARAGE STORAGE RACK



## INDUSTRIAL STORE RACK



# SLOTTED ANGLE RACK

## NUT & BOLTS FITTING

09

- ◆ Adjustable Shelves
- ◆ Nut & Bolts Fitting
- ◆ Powder Coated Finish

- ◆ Strong & Durable
- ◆ MS & G.I Shelves
- ◆ Loading Capacity 100kg/Shelf

### Different Sizes

D W H

- ◆ 12" X 36" X 72"
- ◆ 12" X 48" X 72"
- ◆ 18" X 36" X 72"
- ◆ 18" X 48" X 72"
- ◆ 24" X 36" X 72"
- ◆ 24" X 48" X 72"





## INDUSTRIAL STORE RACK



## FOOD STORAGE RACK



## ACCESSORIES STORE RACK



## SPARE PART STORE RACK



## BOTTLE STORAGE RACK



## HOME STOREROOM RACK





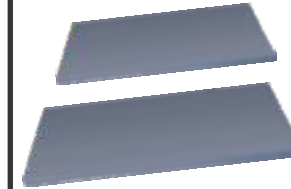
**Shelf Reinforcement**



**G.I Shelf**



**Powder Coated Shelf**



**MDF Lamination Shelf**



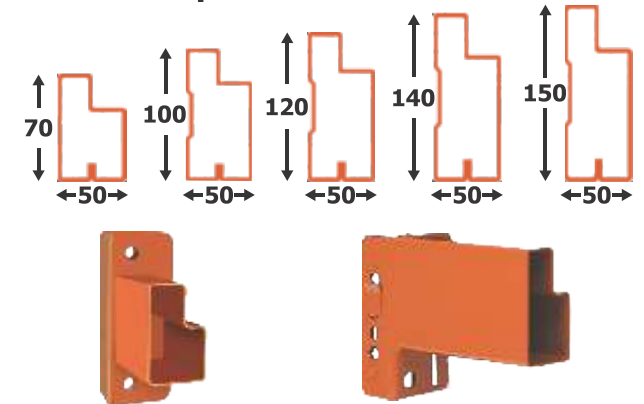
**Step Box Beam**



**Upright Frame**



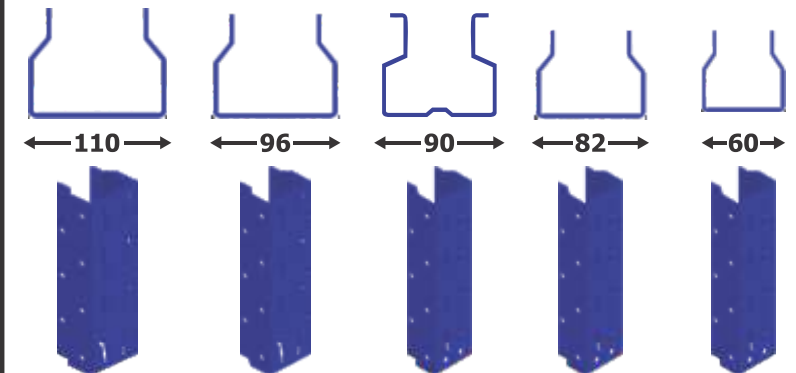
**Step Box Beam Section**



**Safety Bracket**



**Upright Section**





## SHOES INDUSTRIAL STORAGE RACK



## CHEMICALS STORAGE RACK



## HEAVY DUTY STORAGE RACK



## FABRIC ROLL STORAGE RACK



# WAREHOUSE PALLET RACK

## PRODUCT DETAIL

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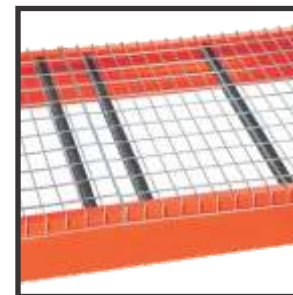
**Beam Safety Lock**



**Pallet Support Bar**



**Pallet Safety Frame**



**Wire Shelf Decking**



**Row Spacer**



**Magnetic Tag Holder**



**Wooden Decking**



**G.I Bracing**



**Upright Foot Plate**



**Upright Front Safety Guard**



**Row Protector**



**G.I Hardware**



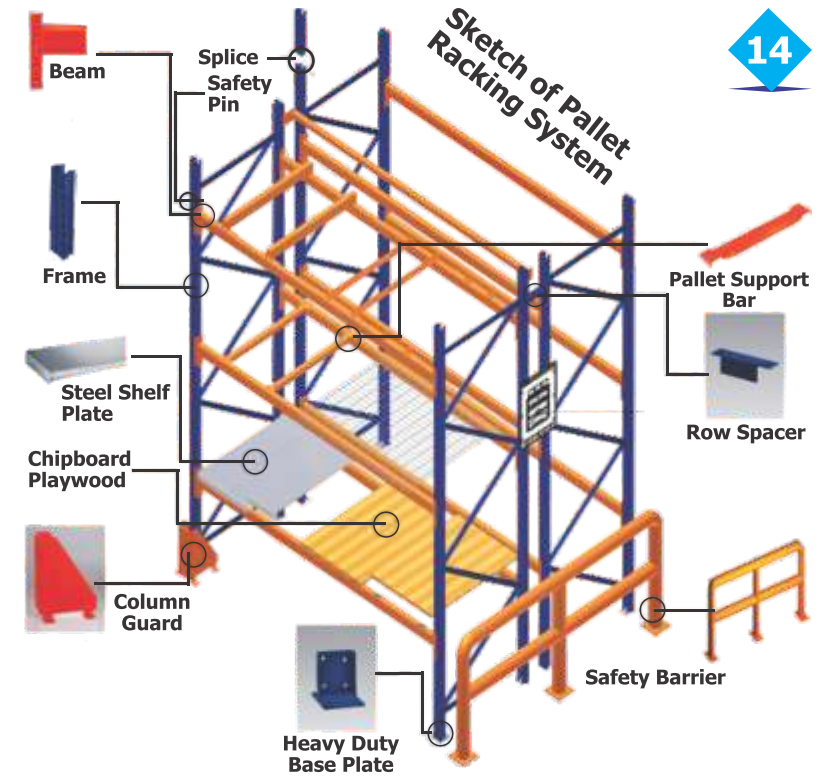
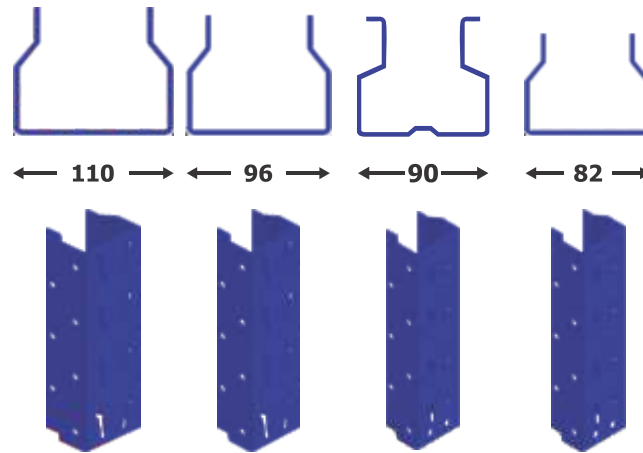
# PALLET RACKING SECTIONAL DETAIL

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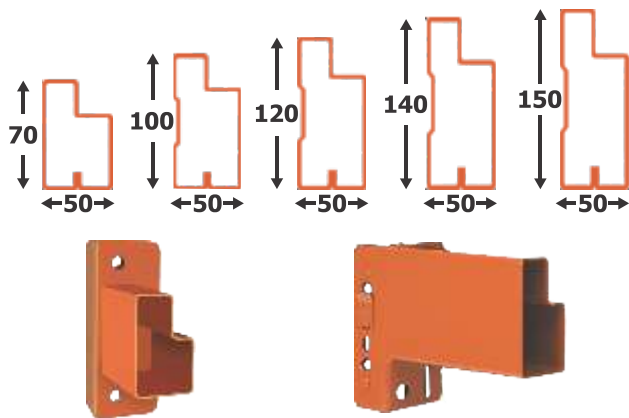
## Gangway Pallet Racking



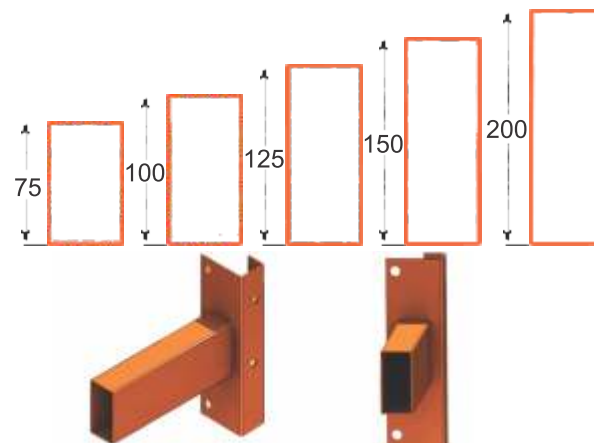
## Upright Section



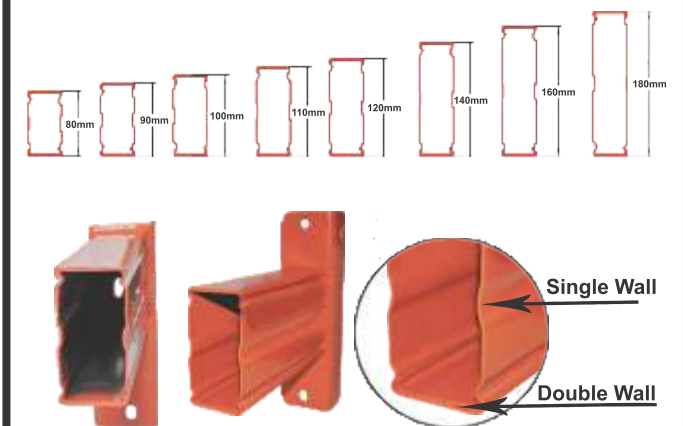
## Step Box Beam Section



## Square Box Beam Section



## Couple Box Beam Section





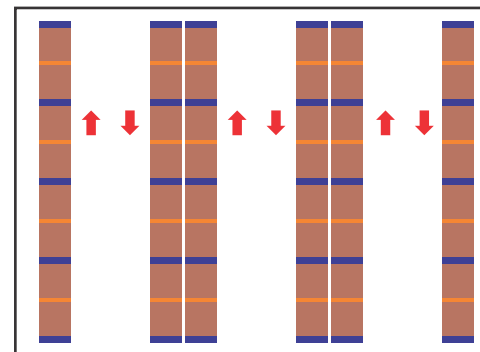


## GENERAL FEATURED OF PALLET RACKING

**Bari Engineering** Pallet Racking System offers the best solution for warehouse where a wide range of reference need to be stored on Pallets.

### - Key Advantages

- Goods can be easily retrieved as each pallet can be accessed without the need to shift other Pallets.
- Total stock control each storage space is taken up by a single Pallet.
- Maximum adaptability to any load type both in term of weight and Volume.
- A conventional pallet racking warehouse is generally laid out single entry rack either side and double entry racks in the middle. The height of the racks depend on the characteristics of the Forklifts or handling equipment, the size of the pallets and the heights of the warehouse itself.





# PALLET RACKING CATEGORIES OF USAGE

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## CHEMICAL STORAGE RACK



## FABRIC ROLL STORAGE RACK



## RAW MATERIAL PALLET RACK



## FINISH GOOD STORAGE RACKING



## COLD STORAGE PALLET RACKING





# AUTOMATIC RADIO SHUTTLE PALLET RACKING

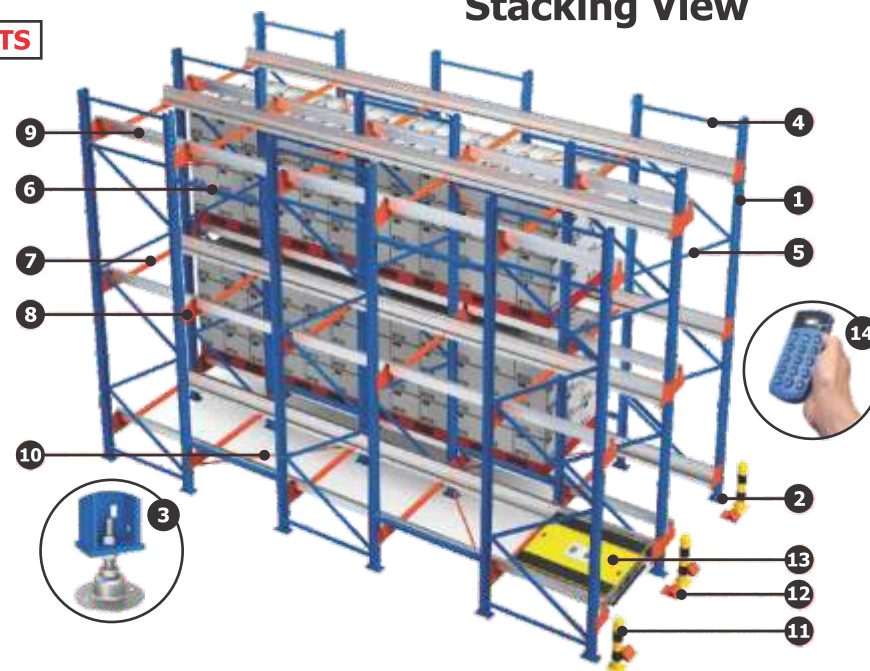
## Radio Shuttle Stacking View

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### RACKING COMPONENTS

- 1 Column
- 2 Foot Plate
- 3 Adjustable Foot Stand
- 4 Horizontal Bracing
- 5 Diagonal Bracing
- 6 Row Spacer
- 7 Supported Beam
- 8 Rail Bracket
- 9 Rail
- 10 Lateral Bracing
- 11 Post Guard
- 12 Forklift Stopper Plate
- 13 Shuttle Car
- 14 Remote Control



### OUTLINE DIMENSION AND WEIGHT

Model	Pallet Size (mm)	Weight (kg)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
TDRII-1012	1000X1200	285	831	1270	193	27	3
TDRII-1113	1000X1300	295	873	1370	193	27	3
TDRII-1210	1200X1000	280	957	1070	193	27	3
TDRII-1211	1200X1100	290	957	1170	193	27	3
TDRII-1212	1200X1200	300	957	1270	193	27	3
TDRII-1213	1200X1300	310	957	1370	193	27	3
TDRII-1214	1200X1400	320	957	1470	193	27	3
TDRII-1215	1200X1500	335	957	1570	193	27	3
TDRII-1216	1200X1600	345	957	1670	193	27	3
TDRII-1311	1300X1100	300	1057	1170	193	27	3
TDRII-1410	1400X1000	310	1157	1070	193	27	3
TDRII-1411	1400X1100	320	1157	1170	193	27	3
TDRII-1412	1400X1200	330	1157	1270	193	27	3
TDRII-1414	1400X1400	3655	1157	1470	193	27	3
TDRII-1415	1400X1500	365	1157	1570	193	27	3

Radio Shuttle Car Wireless Control



### RADIO SHUTTLE TRACK



### RADIO SHUTTLE TRACK





# CANTILEVER RACKS

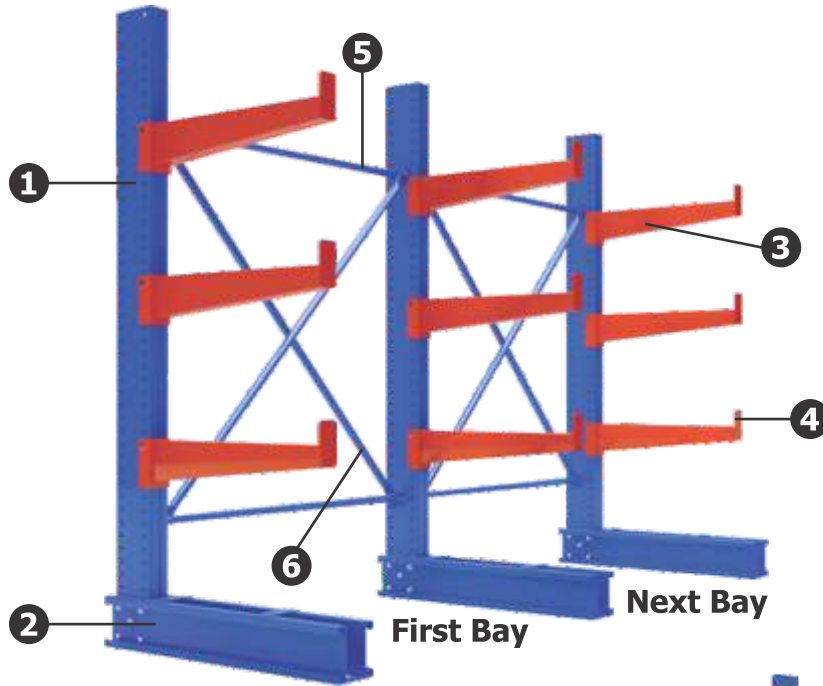
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## Cantilever Racking Offers:

- Ideal Storage Solution for long items such as bars, pipes & Plate.
- Stile & Profiles area of special high - strength hot - formed IPE section.
- Racking can be any length, single - sided or double - sided.
- Individual solution for a wide variety of stored materials.

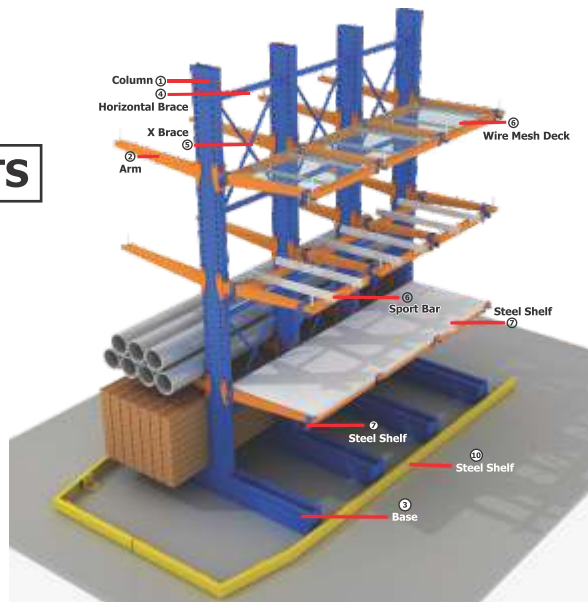
## Determining The System Components:

1. Determine the **axial spacing** by considering the bending characteristics and length of stored goods.  
The good to be stored must not overhang by more than half the axial spacing.
2. In this way you can determine the number of **stiles required**.
3. The storage level height are determined by the material to be stored (which then gives the **number of arms** per stile).
4. The **load capacity** over arm is determined by the weight of the material to be stored (in a storage level) divided by the number of stiles.
5. The sum of the load capacities of the arms gives the load required per stile and hence the **type of stile**.
6. Rack with 2 or more bays are fitted with 2 cross braces.
7. Every Racking bay up to a height of 3000mm required 2 **horizontal ties**, if the rack is 3500mm or higher 3 horizontal ties are required.



## COMPONENT OF PARTS

1. Column
2. Cantilever Base
3. Cantilever
4. Arm Stopper
5. Horizontal Bracing
6. Diagonal Bracing



**Warehouse  
Cantilever Racking**

# DRIVE IN & DRIVE THROUGH RACKING

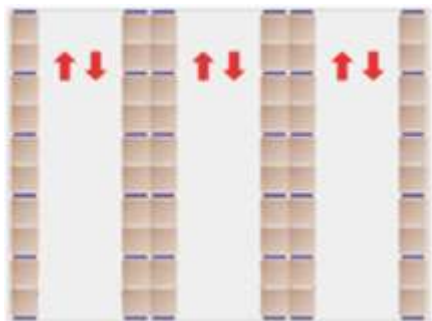
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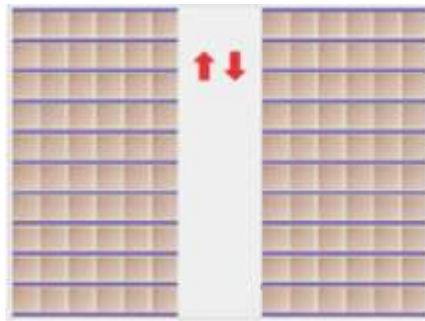
Suitable for one sort of goods with large quantity.  
Type of storage same kind of goods store at same row.  
This system is server as First - in Last - Out (FILO)  
which mean first storing good will be last de - store.

## Advantages of Using

- ◆ Providing higher density storage capacity.
- ◆ Higher floor space utilization.
- ◆ Suitable for storing the big volume goods with high turnover.
- ◆ Low cost investment comparing with storage capacity.
- ◆ Drive in racking more efficient then selective racking in same space.



Selective Layout



Drive in Layout

## RACKING COMPONENTS

- |                    |                     |
|--------------------|---------------------|
| 01. Column         | 09. Top Beam        |
| 02. Hor Bracing    | 10. Top Bracing     |
| 03. Dia Bracing    | 11. Back Bracing    |
| 04. Bracket Arm    | 12. Between Bracing |
| 05. Pallet Rail    | 13. Pallet Stopper  |
| 06. Pallet Stopper |                     |
| 07. Post Protector |                     |
| 08. Wall Protector |                     |

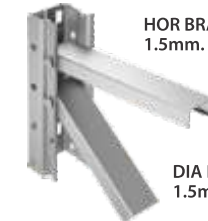
DOUBLE SIDED ARM  
Thk.3.0mm.



SINGLE SIDED ARM  
Thk.3.0mm.

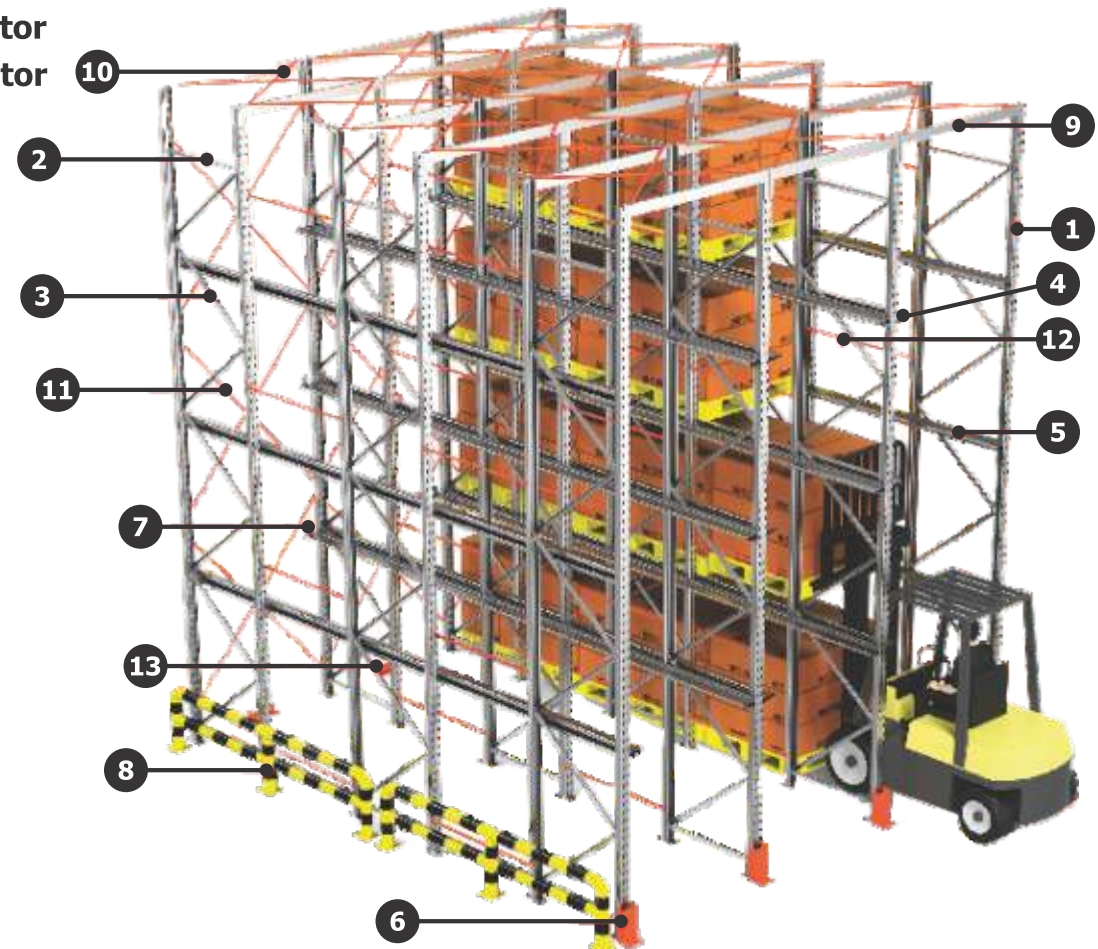


PALLET RAIL (GI)  
Thk. 2.5/3.0mm.



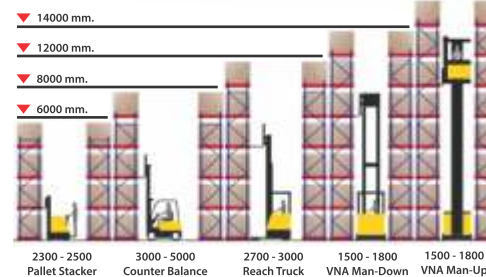
HOR BRACE  
1.5mm.

DIA BRACE  
1.5mm.





# VNA PALLET RACKING

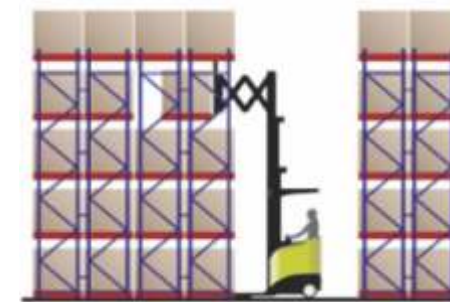


VNA Pallet Racking makes optimum use of floor area and roof height moving high density storage with 100% accessibility & good Stock Rotation. VNA Racking work well with the VNA Truck which is the narrow aisle driving Truck with the guide rail.

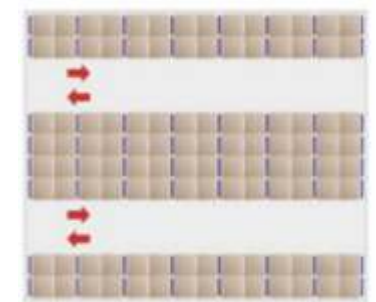
## Advantages of Using

1. Maximize Storage Potential
2. Better Floor Utilization
3. Meets FIFO requirements
4. Low investment in racks compared to other system.

# DOUBLE DEEP RACKING



Double Deep Forklift



Double Deep Layout

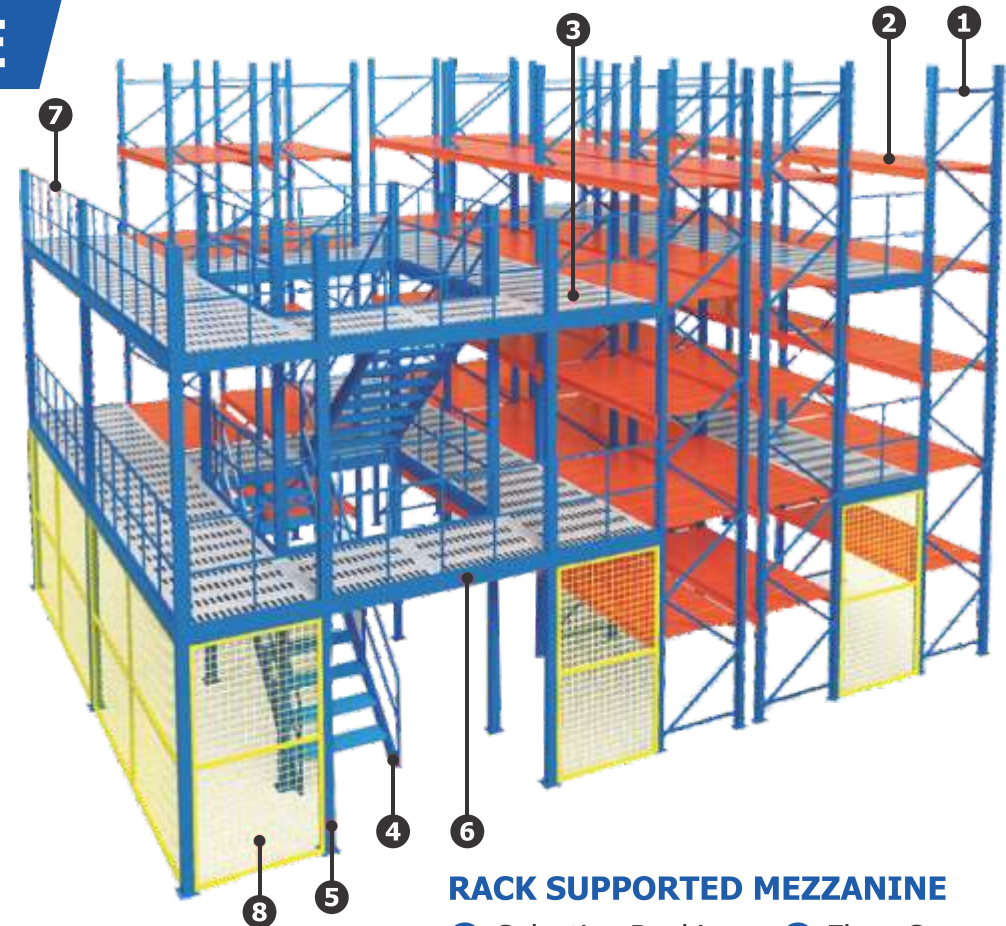
High capacity, cost effective storage system capable to store two pallet deep in a single entry rack or four Pallets deep in a double entry rack.

## Advantages of Using

- ◆ Suitable for laying goods on pallets.
- ◆ Various types of goods and heavy loaded.
- ◆ Double - Deep Storage increase warehouse capacity by upto 30% compared to single - Deep Storage.
- ◆ Choice of Pre - Galvanized is also available.



# RACK SUPPORTED MEZZANINE



## RACK SUPPORTED MEZZANINE

- |                     |                        |
|---------------------|------------------------|
| ① Selective Racking | ⑤ Floor Support Column |
| ② Steel Shelf Plate | ⑥ Main Support Beams   |
| ③ Floor Grating     | ⑦ Handrail             |
| ④ Staircase         | ⑧ Wire Partitions      |

Ideal for business that need a cost effective way a creating a raised storage area for hand loaded goods that are not heavy in nature. Slow moving stock can be stored on upper levels leaving the ground floor for fast moving stock items. Also it suits growing business that may need dismantle and relocate the storage area in the future.

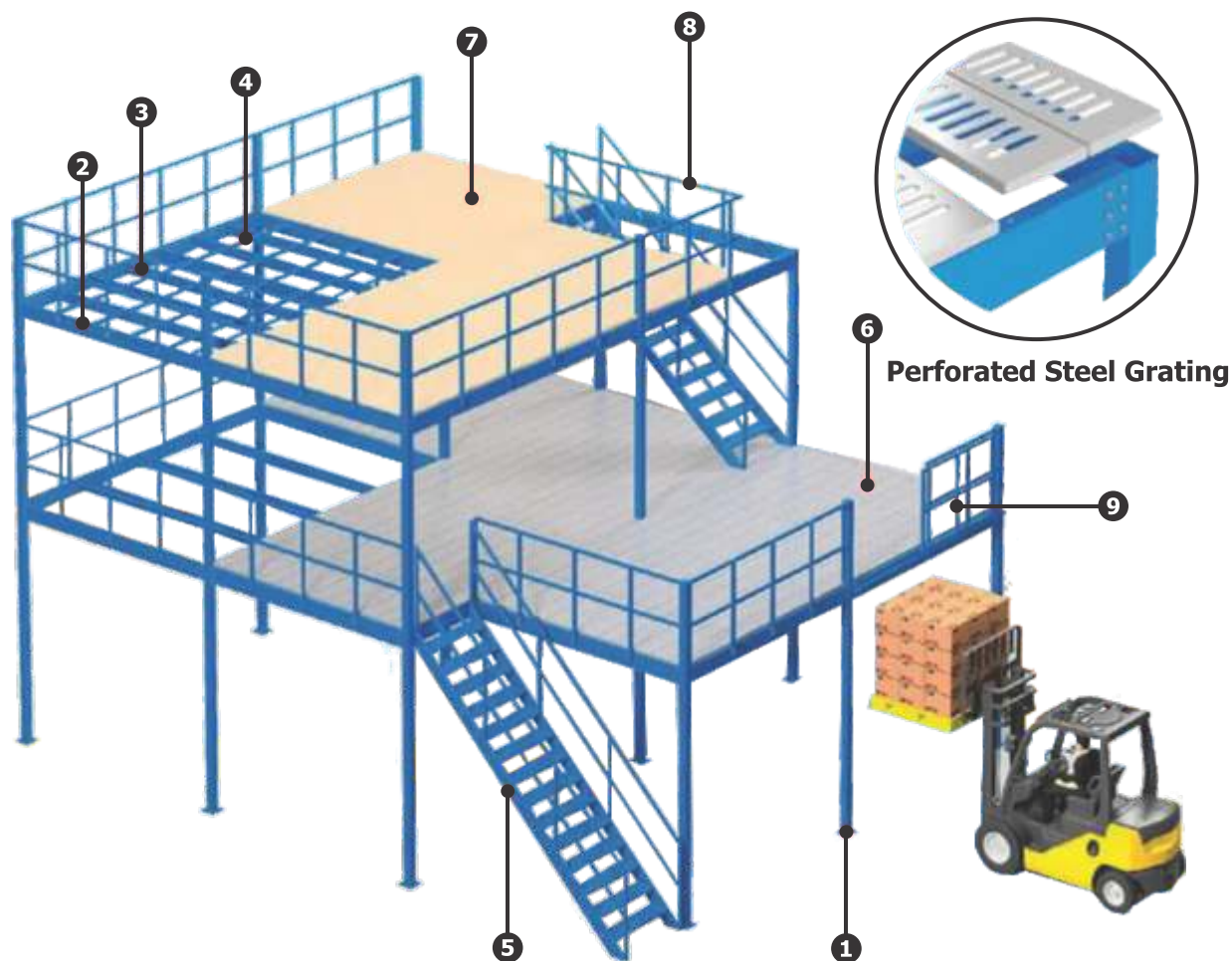
### Advantages of Using

- ◆ Utilize existing overhead space.
- ◆ Can combine pallet storage and small goods storage.
- ◆ Auxiliary facilities can be equipped for mezzanine rack like elevator, conveying belt etc.



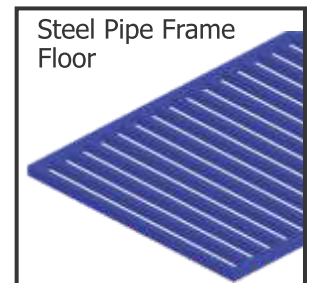
# MEZZANINE FLOORING

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## MEZZANINE FLOOR SYSTEM

- |                  |                 |              |
|------------------|-----------------|--------------|
| ① Column Upright | ④ Sub Beam      | ⑦ Plywood    |
| ② Main Beam      | ⑤ Staircase     | ⑧ Handrail   |
| ③ Beam           | ⑥ Floor Grating | ⑨ Slide Door |



Mezzanine Floor structure knock - down type was designed to solve the problem with space in industrial manufacturer and warehouse, able to assemble to various floor levels with staircase and handrail, efficient for multi - purpose such as increase storage space in warehouse, increase area for production process of machines and equipment etc. The floor can be designed according to the weight desired.

### Advantages of Using

- ◆ Increase working space for the existing area.
- ◆ Structure designed according to the engineering principle, assure the safety.
- ◆ Knock - Down structure can be modified and mobilized easily.

## 1 DRUM SPILL PALLET

**Model 1313 P-1**

**Size: 680 X 680 X 150(mm)**



## 2 DRUM SPILL PALLET

**Model 1313 P-2**

**Size: 1320 X 680 X 300(mm)**



## 4 DRUM SPILL PALLET

**Model 1313 P-4**

**Size: 1320 X 1320 X 300(mm)**



## PLAIN PLASTIC PALLET

**Model 1210 P-2**

**Size: 1000 x 1200 x 150 (mm)**



## PLAIN PLASTIC PALLET

**Model 1210 P-4**

**Size: 1000 x 1200 x 150 (mm)**



## PERFORATED PLASTIC PALLET

**Model 1212 P-4**

**Size: 1200 x 1200 x 150 (mm)**





## HAND PALLET LIFTER



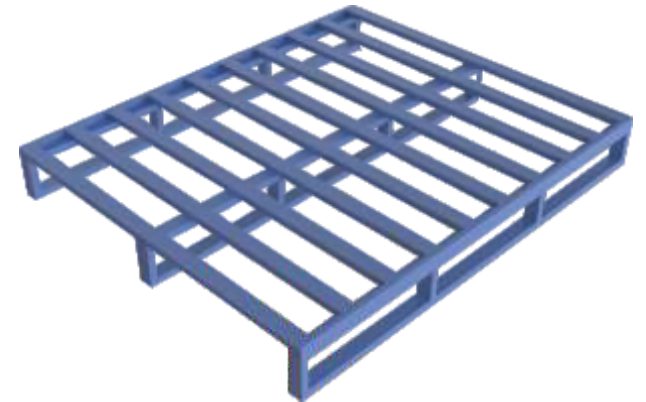
## POWDER COATED STEEL PALLET

Model 1210 / 1212



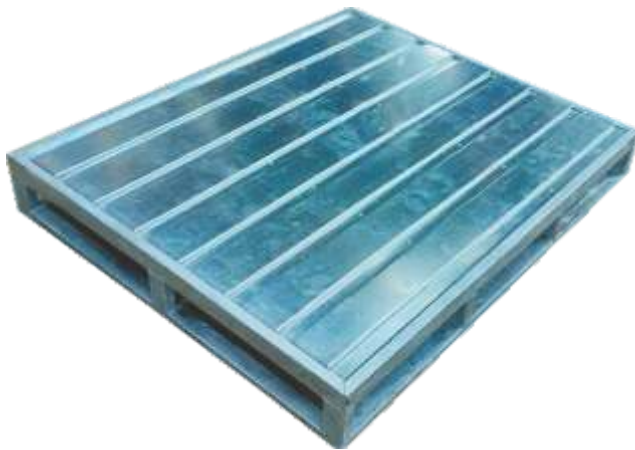
## SQUARE TUBE ROD PALLET

Model 1210 / 1212



## G.I GALVANIZED STEEL PALLET

Model 1210 / 1212



## FABRIC ROLL CAGE PALLET



## FOLDABLE CAGE PALLET



**5 DRAWER TOOL TROLLEY**



**7 DRAWER TOOL TROLLEY**



**1 SHELF 2 DRAWER TROLLEY**



**3 SHELF TROLLEY**



**STAINLESS STEEL TROLLEY**



**STAINLESS STEEL TROLLEY**





## M.S PLATFORM TROLLEY



## M.S CAGE TROLLEY



## WAREHOUSE LOADING TROLLEYS

**150KG**  
**250KG**  
**600KG**



## MOVEABLE STAIR



## WORK STATION TABLE



Size: = D 2' x W 5' x H 5.5'

**150KG** Size: = D 20" x W 30" x H 35"

**250KG** Size: = D 24" x W 36" x H 35"

**600KG** Size: = D 24" x W 42" x H 35"

# PLASTIC BINS

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**BE - 01**

**7" X 4" X 3.5"**



**BE - 02**

**10" X 6" X 5"**



**BE - 03**

**13" X 8" X 6"**



**BE - 04**

**18" X 8" X 6"**



**BE - 05**

**24" X 17" X 8"**



**BE - 06**

**24" X 17" X 8"**



**BE - 07**

**20.5" X 14.5" X 12"**

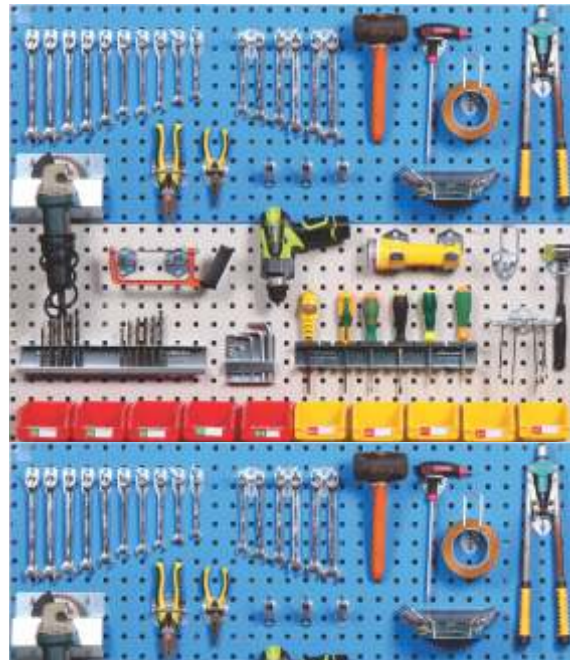


**BE - 08**

**20.5" X 14.5" X 12"**







**TOOLS PERFORATED  
WALL PANEL**



**SPARE PARTS TOOLS CABINET**



# SUPER MARKET DISPLAY RACKS







→ **Double Sided Gondola Rack**



→ **Wall Rack**



→ **Gondola Shelving**



→ **End Rack**



→ **Hanging Display Rack**



→ **Oil & Ghee Rack**

## GROCERY STORE RACKS



## FRUITE VEGETABLE RACKS



## CROCKERY DISPLAY RACKS



## BAKERY SHOP RACKS



## PHARMACY DISPLAY RACKS



## SHOES DISPLAY RACKS











SHOPPING BASKET  
MODEL : ZC - 02  
30 Ltr.



SHOPPING BASKET  
MODEL : ZC - 04  
30 Ltr.



SHOPPING BASKET  
MODEL : ZC - 06  
28 Ltr.



SHOPPING BASKET  
MODEL : ZC - 07  
24 Ltr.



Roller Basket  
MODEL : ZC - 10  
40 Ltr.



Roller Basket  
MODEL : ZC - 20  
45 Ltr.



Roller Basket  
MODEL : ZC - 18  
68 Ltr.



# SUPER MARKET UTILITIES & CARTS

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Baby Shopping  
Trolley 40 Ltr.



Promotional Cage  
Trolley 200 Ltr.

Shopping Trolley  
60 - 100 - 140 Ltr.



Cash Till Drawer

Cash Counter



# WOODEN SHELVING RACKS





# WOODEN DISPLAY RACKS CATEGORIES

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## COSMETICS DISPLAY RACK



## DISPLAY PROMOTIONAL TABLE



## MINISO SHOP DISPLAY RACK



## GIFT SHOP DISPLAY RACK



## HANGING DISPLAY RACK



## GARMENT SHOP DISPLAY RACK





# OFFICE CABINETS KING SERIES

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# MODELS OF OFFICE CABINETS

## KING SERIES

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**BE-CO-001**  
**D400\*W900\*H1850mm**



**BE-CO-002**  
**D400\*W900\*H1850mm**



**BE-CO-003**  
**D400\*W900\*H1850mm**



**BE-CO-004**  
**D400\*W900\*H1850mm**



**BE-CO-005**  
**D400\*W900\*H1850mm**



**BE-CO-007**  
**D450\*W1180\*H1850mm**

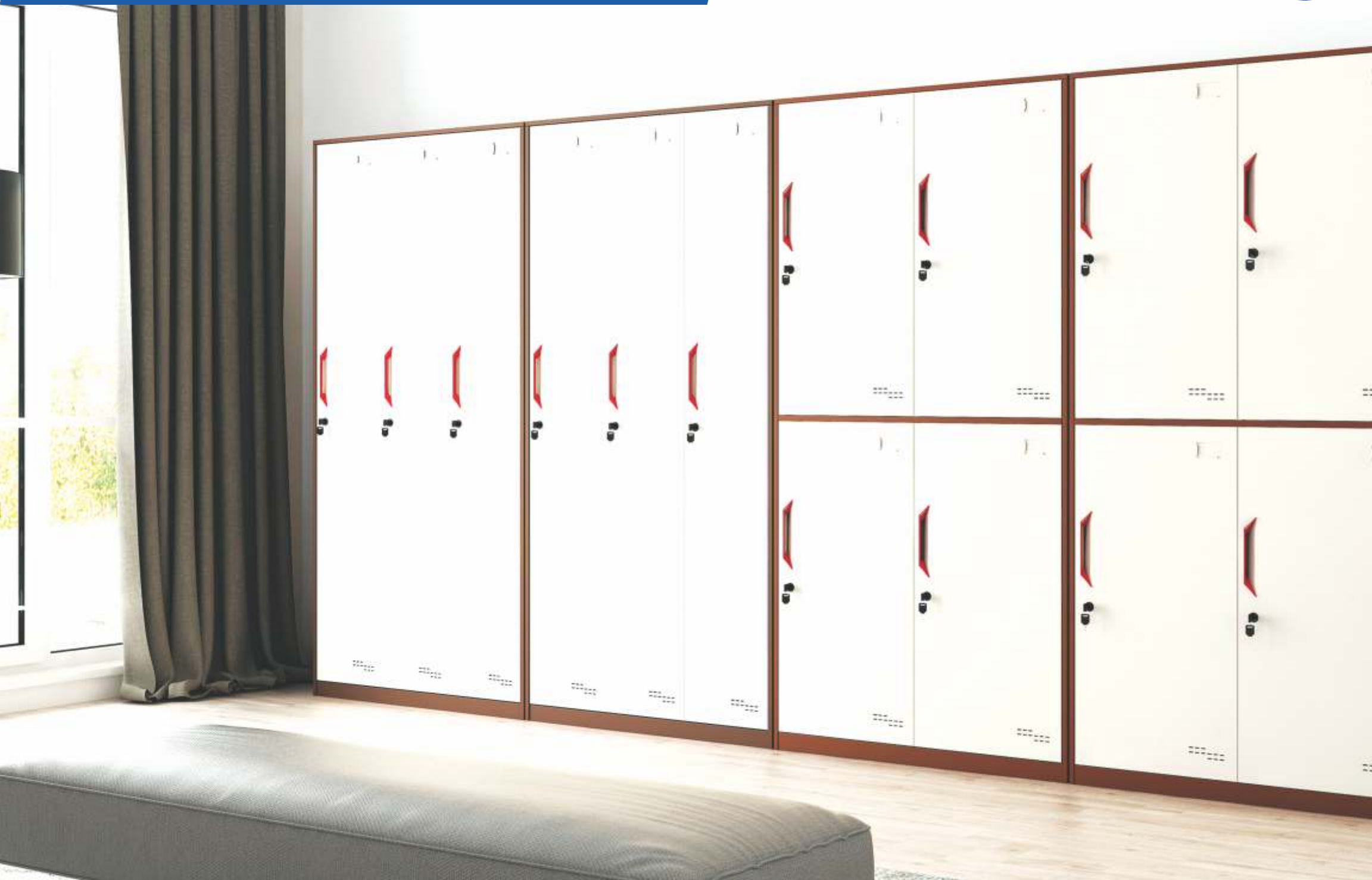


**BE-CO-021**  
**D460\*W620\*H1016mm**



# LOCKER CABINETS KING SERIES

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# MODELS OF LOCKER CABINETS

## KING SERIES

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**BE-CO-009**  
D500\*W900\*H1850mm



**BE-CO-010**  
D500\*W900\*H1850mm



**BE-CO-011**  
D500\*W900\*H1850mm



**BE-CO-012**  
D500\*W900\*H1850mm



**BE-CO-013**  
D450\*W900\*H1850mm



**BE-CO-013**  
D450\*W900\*H1850mm



**BE-CO-026**  
D450\*W900\*H1850mm



# OFFICE CABINET & LOCKERS

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**PASSION SERIES**



# MODELS OF OFFICE CABINETS & LOCKERS



→ **BE-GR-001**  
**D400\*W900\*H1850mm**

↪ **BE-GR-004**  
**D400\*W900\*H1850mm**



← **BE-GR-006**  
**D450\*W900\*H1850mm**



↪ **BE-GR-003**  
**D400\*W900\*H1850mm**



→ **BE-GR-002**  
**D400\*W900\*H1850mm**



↪ **BE-GR-005**  
**D450\*W900\*H1850mm**







# LABORATORY FURNITURE

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Lab Table with  
Hanging Cabinets



Island Lab of C-Type  
Frame with Suspended Cabinet



Fume  
Hood



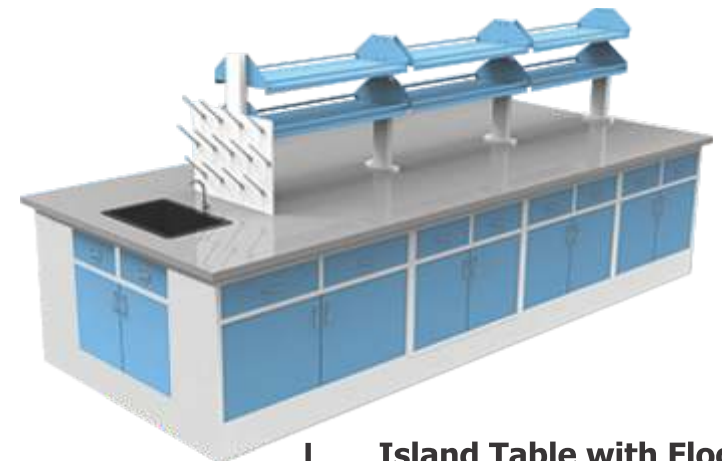
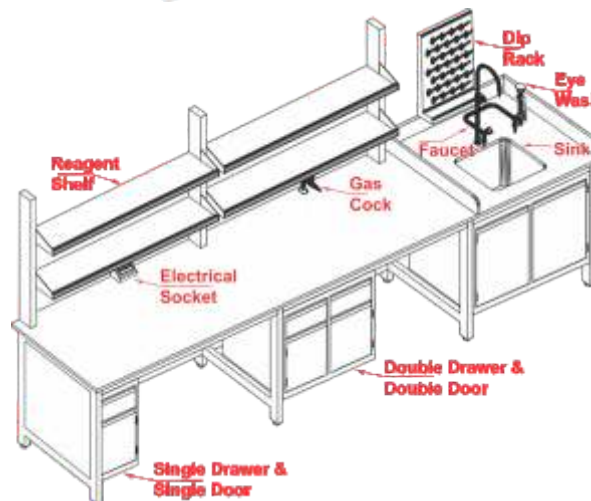
Island Lab Table  
with Suspended Cabinets



Lab Table with  
Mounted Cabinets



Lab Work  
Bench



Island Table with Floor  
Mounted Cabinets

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