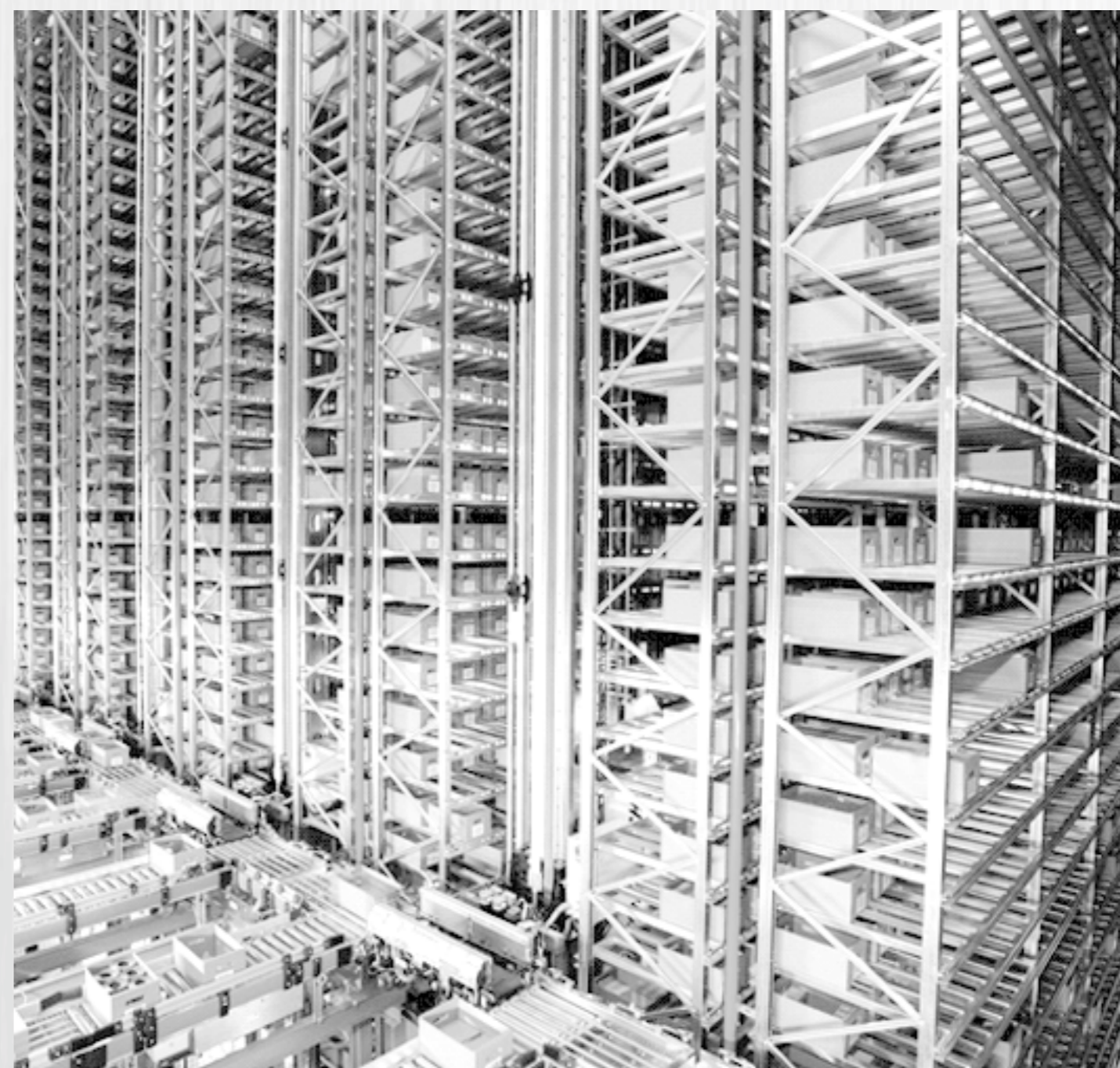


We, at Rinac, begin with seamless solutions for cold chain and modular construction. Soon, a relationship develops, empowered by our domain expertise, service excellence, and customising capabilities. As the bond deepens, you will discover that we invest in curiosity, innovation, and ingenuity; constantly questioning perfection, and leveraging our resources to nurture each relationship into a win-win proposition. What's more - warm, pro-active support is always just a call away through our customer care, a dedicated relationship service group.

For more than two and a half decades, Rinac has been the chosen partner for industry leaders, providing an unrivalled range of solutions and superior value. But that's just the tip of the iceberg.



WAREHOUSING SOLUTIONS





THE CUTTING EDGE OF INFINITE SOLUTIONS FOR WAREHOUSING

Rinac India Limited is an integrated engineering solutions company. Nothing exhilarates us more than engineering end-to-end solutions for the cold chain and modular construction industries. We set no limits to curiosity, innovation and ingenuity. We constantly question perfection and ask ourselves 'What if?' and 'Why not?' every day.

As a result, frontrunners in several industries come up to us for total solutions in the cold chain and construction infrastructure. And they stay on for our domain expertise, technology leadership, service excellence and customising capabilities.

At Rinac, no requirement is too difficult, no challenge too complicated. We believe that each customer needs a solution, unique to his need, environment and aspirations. And we revel in creating new possibilities that address each requirement perfectly.

In these pages, you will discover world-class solutions for cold chain and modular construction. However, we are eager to break the mould and bring to you customised solutions too.

Why Rinac?



Rack Assisted and Mezzanine Assisted Storages.

Rack Assisted Storage (RAS)



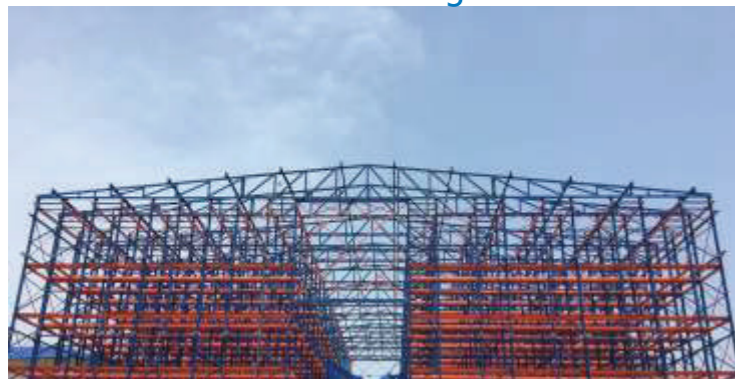
- Modular and optimized construction, built on structural racks.
- Eliminates the use of heavy duty structures.
- Thin walled sections with heavy duty omega profile sections helps in optimum steel contents required for warehouse.
- Easy and quick installation
- Suitable for multiple wide range of temperature application varying from -25 to +50 deg c
- Reduced civil footings and foundation requirements.
- Uniformly Distributed loads.
- Reduced erection time.
- Can be incorporated for Semi or fully automated solutions.
- Suitable for Pharma, Food, 3PL, Dairy, Marine and General applications.
- Designed as per EN 15512 standards.

Mezzanine Assisted Storage (MAS)

- Modular and optimized construction, built on Mezzanine columns.
- Eliminates the use of heavy duty structures.
- Omega profiled roll Formed sections to achieve better load bearing capacities.
- Easy and quick installation
- Suitable for multiple wide range of temperature application varying from -25 to +50 deg c
- Reduced civil footings and foundation requirements.
- Uniformly Distributed Loads.
- Reduced erection time.
- Suitable for Pharma, Food, 3PL, Dairy, Marine and General applications.



RAS Under Progress



MAS Under Progress



WAREHOUSE RACKING SOLUTIONS

Selective Racking - Single Deep and Double Deep



- Products are completely selective
- Easy tracking
- Thin walled sections with heavy duty omega profile sections helps in optimum steel contents required for heavy duty storage.
- Easy and quick installation
- Suitable for multiple wide range of temperature application varying from -25 to +50 deg c
- Productivity and efficiency increases since retrieving goods are easy
- Order picking by means of FIFO/FEFO
- Suitable for Pharma, Food, 3PL, Dairy, Marine and General applications.
- Designed as per EN 15512 standards.

Multi-Deep Drive In Racks

- Products are stored in single SKU / Batch per bay by MHE.
- Easy tracking for batch dispatch.
- Thin walled sections with heavy duty omega profile sections helps in optimum steel contents required for heavy duty storage.
- Easy and quick installation
- Suitable for multiple wide range of temperature application varying from -25 to +50 deg c
- Increases Storage density and gives better Floor space to utilized space ratio.
- Order picking by means of LIFO/ Batch out.
- Suitable for Marine and General applications.
- Designed as per EN 15512 standards.



Multi-Deep Shuttle Racking System

- Products are stored in single SKU / Batch per bay by Radio shuttles.
- Easy tracking for batch dispatch.
- Thin walled sections with heavy duty omega profile sections helps in optimum steel contents required for heavy duty storage.
- Easy and quick installation
- Suitable for multiple wide range of temperature application varying from -25 to +50 deg c
- Increases Storage density and gives better Floor space to utilized space ratio.
- Order picking by means of LIFO/ Batch out, increased throughput.
- Batch Order dispatch tracking and sequencing.
- Suitable for Marine and General applications.
- Designed as per EN 15512 standards.



ASRS – Automated Storage and Retrieval System



Mobile Racking

- Products are completely selective
- Easy tracking
- Thin walled sections with heavy duty omega profile sections helps in optimum steel contents required for heavy duty storage.
- Suitable for multiple wide range of temperature application varying from -25 to +50 deg c
- Productivity and efficiency increases since retrieving goods are easy
- Order picking by means of FIFO/FEFO
- Suitable for Pharma, Food, 3PL, Dairy, Marine and General applications.
- Designed as per EN 15512 standards.



Salient Features

- Products are completely selective
- Easy tracking by in-house WMS
- Increase storage capacity by increasing storage heights, saving overall footprint.
- Suitable for multiple wide range of temperature application varying from -25 to +50 deg c
- Productivity and efficiency increases since retrieving goods are easy
- Order picking by means of FIFO/FEFO
- Suitable for Pharma, Food, 3PL, Dairy, Marine and General applications.
- Designed as per EN 15512, FEM 9.831 standards.

Salient Features

- Maximum use of floor space – only one operating aisle
- Save up to 40% of the space required by conventional pallet racking
- Alternatively increase your storage capacity by up to 80%
- Good occupancy rates helping to reduce energy bills in cold stores
- 100% individual pallet access
- Modular design adapts to any requirement
- Safety according to the European Directive 2006/42/EG and DIN EN 15095



Energy Savings

- Maximum use of floor space – only one operating aisle
- Save up to 60% of the space required by conventional pallet racking
- Alternatively increase your storage capacity by up to 80%
- Good occupancy rates helping to reduce energy bills in cold stores
- 100% individual pallet access
- No lights required while loading/working
- Reduction in power consumption by up to 50%
- When cooling saves up to 60% on electricity.



Control Features

- **Light control** – only the open aisle is lit
- **Commission mode** – open pre-selected aisles
- **Night position** – even spread - improves air circulation
- **Sprinkler position** – a mode for fire protection
- **Picking position** – multiple aisles partially open for access
- **Remote control** – diagnostic and maintenance from experts
- **Aisle selection via radio control** – remote controlled aisle selection saves time as the fork lift truck driver can open the aisles before arrival



Sales Efficiency

- WMS can label high to low priority on goods.
- Easy overview on stock.
- No need to deal with charge backs and penalties from customers.
- Reduction in lost sales due to items returned.
- Improved inventory control, thus reducing potential write off of inventory.
- Loss/theft of parts reduced as stacks are guarded with rails.

Safety Features

Alarm warning to announce imminent movement of trolleys.
Flashing lights during movement.
The safety light barrier system monitors pedestrian and truck access to the aisle, if a truck or pedestrian is located in one of the aisles, further trolley movement is prevented until the aisle is clear

The local light barrier sensor system will scan the aisle and it will stop the trolley if a person is detected inside the aisle.

Productivity

- Improved productivity as ASRS machines are faster than forklifts and narrow aisle trucks.
- Can operate 24 x 7
- No delays with putting away or retrieving pallets at higher locations.
- Every pallet is put away or retrieved with the same speed regardless of where it is located.

