



The Chill Kart is Rinac's line of eutectic trucks that offer transport of goods requiring temperature maintenance between -15 deg. C to -25 deg. C. Eutectic trucks are a green and economical alternative to reefer trucks, especially in the secondary transport sector (last mile delivery) more so as it does not require fuel or energy to refrigerate, instead stores 'cold' in eutectic plates placed within the insulated body. RPUF insulation is

provided for effective resistance to heat transfer and the GRP sheets vacuum bonded to it ensure lowered weight therefore increase in net payload capacity and effective merchandising area for your product. Non existence of moving parts during operation ensures quiet, green and cost effective transport that adds to your carbon credit.



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 RinaCare, our dedicated relationship service group.

For about two 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.

Rinac Cold Chain...Solutions

Concept to completion...



Rinac brings comprehensive solutions for your cold rooms needs.



Rinac's popular range of display cum storage cold rooms re-designed making them more versatile and user friendly than ever before. It provides optimal options for storing food in hotels, restaurants, catering services, supermarkets and industrial kitchens.

Well-conceived design for small restaurants, fast-food outlets, food shops turned our product highly functional product supported by the best service available. With emphasis on low energy consumption, We designed and produced our own refrigeration units for quiet operations. The unit is complete with all controls, defrosting systems etc.. and are subject to rigorous testing before shipment.

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The world of Rinac cold rooms

Clean, fresh environments where time stands still and freshness lasts forever. That's what Rinac cold room solutions promise to bring you.

Close to two decades ago, Rinac pioneered India's first world-class cold room. Over time, Rinac has taken cold rooms on to a higher plane - backed by wide engineering expertise, innovative design skills, and domain knowledge.

Every component of Rinac's cold room is designed and strategically placed for reliability and robust operation through its lifespan. Refrigeration equipment, chosen from Rinac's own range, enables quick temperature pull down; insulation panel systems, manufactured in Rinac's factories under stringent conditions, offer great power savings by ensuring fewer 'ON' cycles.

Responding to the growing needs for the cold chain globally, Rinac has developed a comprehensive and new range of cold rooms, based on application and user-friendly operation. This enables accurate monitoring of equipment, tighter temperature control, faster recovery, and more 'OFF' cycles to give quicker Return on Investment (RoI) and lesser Total Cost of Ownership (TCO). What's more, Rinac's team guides you through the selection process, enabling you to freeze on a cold room solution that suits your requirements optimally.

Comprehensive range, finely-engineered features

Rinac's cold room solutions are used to store pre-cooked or semi-cooked food, fruits and vegetables, meat, poultry, dairy, confectionary, seeds, and even garbage. Naturally, they are designed to be safe and user-friendly, while also being energy-efficient, world-class performers.



Panels

Pre-fabricated, insulated, metal laminated panels best suited for freezing and chilling

- Rigid Polyurethane Foam (RPUF) insulation
- Pre-Painted Galvanised Steel (PPGS) or Stainless Steel (SS) metal laminate
- Insulation thickness from 60mm up to 200mm
- Panel width of 1200mm
- Panel length up to 12500mm
- Joinery through camlocks and finished with a silicone sealant



Floors

A range of floors for various applications

- Aluminium/ SS checkered plate for dry and light-weight operations
- Bituminous felt with PCC floor for heavy and wet operations
- Altro-vinyl floors for heavy traffic operations
- Floor breathers and heaters where applicable



Doors

Pre-fabricated, insulated doors with great features

- Swing, sliding, roll-up types
- Non-corrosive, non-metallic hinges, door handles, and locks
- Self-closing hinges
- Heaters on door leaf and frame
- Audio alarm for 'door-open' condition
- View port with anti-condensate glass
- Lock defeat mechanism
- Positive seal mechanism for all door types to avoid cold air loss



Covings

A must for all who value hygiene

- Food grade PVC or metallic covings
- Wall-to-wall, wall-to-ceiling, and wall-to-floor covings available
- Cornice cups to ensure three-dimensional integration at the corners of the cold room

Specially-engineered cold rooms for special applications

- High humidity cold rooms for fruit and vegetable storage
- Low humidity cold rooms for seed and hygroscopic material storage
- Humidification and automation systems
- Unique design for generating low humidity environment using specially designed refrigeration systems



Accessories and customisations

Fine-tuned to match needs:

- Pressure relief valves for freezer rooms
- Push and kick plates for doors
- Ramp for entry at door
- Strip curtains to operate at freezing temperatures without stiffening
- Hatch doors
- Air curtains



Electricals

Rinac cold rooms come fitted with:

- IP 54 or more protected light fittings
- Shatter-proof polycarbonate cover glass, which is professionally designed for cold room lighting
- Weather-proof switches, where required
- Embedded conduit for wiring
- Safety devices like relays, SPPs, and timers
- Alarm annunciators
- IP 55 control panel, built-in with condensing unit



State-of-the-art refrigeration systems:

- Hermetic or semi-hermetic compressors
- Air-cooled or water-cooled condensation systems
- High efficiency evaporators equipped with auto defrost features
- Hot gas defrost
- All metallic casings are in galvanised steel with powder-coating finishes. This enables them to withstand H500 SS test
- Safety systems like high and low pressure cutouts, microprocessor-based thermo controls
- Drain-tray and drain-pipe heaters
- Vibration eliminators in refrigerant piping
- Temperature controllers
- Humidification systems with indicators and controllers

