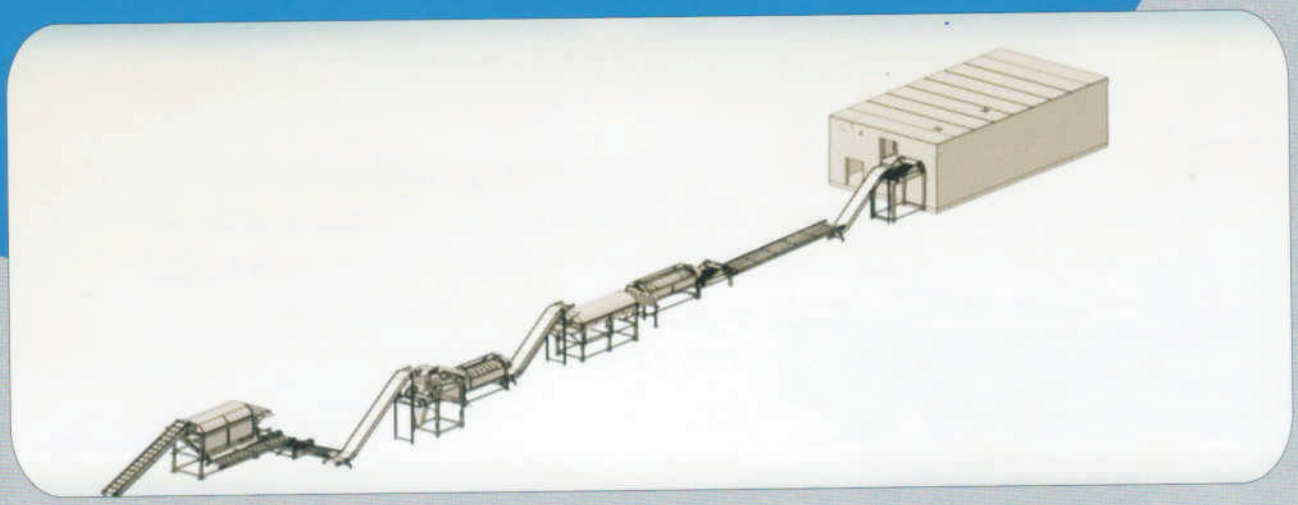
**We introduce ourselves** as one the reputed Manufacturers of Food Processing machines in india, specializing in Turnkey Projects for:

a) Frozen Green Peas
b) Frozen French Fries
c) Other Vegetables
d) Potato Chips
e) Potato Flakes

RANA
MACHINES INDIA LTD.
AN ISO 9001:2015 CERTIFIED COMPANY

# ABOUT US

**Established in 2010,** ours is a fully integrated engineering company governed by eminent personalities in the field of technology and management. We have a team of Design Engineers. Production Engineers,Management Professionals and food technologists with several years of experience and a highly skilled workforce. We carry our complete design, engineering, manufacturing, supply erection and commissioning of our plants.







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# Our Specialities



## Fruits and Vegetables Processing Line for:

- ✓ Frozen Green Peas
- ✓ Frozen French fries
- ✓ Other Vegetables
- ✓ Potato Chips
- ✓ Potato Flakes



## Rana Frost IQF- FBS

Rana Frost IQF- FBS is a fluidized bed Series Individual Quick Freezer which is designed to IQF a variety of small loose products like Peas, Sweet Corn Kernel, Beans, Okra, Diced Mango, Strawberries, French Fries and Other Fruits & Vegetables



## Cold Storage

We design, engineer, Construct & Commission
Frozen Chambers
Cold Storages
MA Stores
Ripening & C.A. Chambers



## Industrial Refrigeration System

We can provide systems working with Ammonia or Freon as the refrigerant and can design with reciprocating and screw compressors.



## Rana Frost Spiral - SPS

Suitable to cool wide range of products like samosa, patty, burgers, nuggets, pizza, ready-to-eat meal, bakery, pastry, sea food, Poultry and meat products.


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# CLIENT LIST

## MEGA FOOD PARK AND COLD CHAIN PROJECTS

1. Mother Dairy Fruit & Vegetable Private Limited (Ranchi) Jharkhand
2. Mother Dairy Fruit & Vegetable Private Ltd. Mangolpuri, Delhi.
3. Sukhjit Mega Food Park & Infra Ltd. Phagwara Punjab (Mega Food Park)
4. Sukhjit Mega Food Park & Infra Ltd. Nakodar Punjab (PPC)
5. Patanjali Food And Herbal Park Ltd. (Mega Food Park)
6. Anand Foods Kashipur (Cold Chain Turnkey Project)
7. R S Food Chain Jabalpur (10 Ton Production Per Hour Turnkey Project)
8. Shanti Frozen Foods Kashipur (Cold Chain Turnkey Project)
9. Frozo Fun Foods Kashipur (Cold Chain Project)
10. Aggarwal Frozen Foods Rudrapur Uttrakhand (Cold Chain Turnkey Project)
11. Stellar Cold Chain Inc Kashipur Uttrakhand(Cold Chain Turnkey Project)
12. Mohyal Foods Pvt Ltd. Roorkee Uttrakhand (Cold Chain Turnkey Project)
13. S K Frozen Foods Kashipur. (Cold Chain Turnkey Project)
14. A S Frozen Foods Banga Punjab(Cold Chain Project)
15. Siberian Tiger Foods ,Amritsar Punjab (Cold Chain Turnkey Project)
16. BL Agro Industries Bikaner Rajasthan (Cold Chain Turnkey Project)
17. R.C Foods Chandausi U.P. (cold Chain Turnkey Project)
18. S.R. Cold Chain Shahjahanpur. U.P. (Cold Chain Turnkey Project)
19. Pal Frozen Foods (2 Units) (Cold Chain Turnkey Project)
20. Brar Foods. Bazpur. (2 Units) (Cold Chain Turnkey Project)
21. Sharda Agri Pvt. Ltd. Rudarpur. (Cold Chain Turnkey Project)
22. B.D Food. Jullandhar. (Cold Chain Turnkey Project)
23. Sushil Frozen Agro Processing Pvt. Ltd. Kashipur (Cold Chain Turnkey Project)
24. Bajpai Refrigeration& Bakers Co. Kashipur (Cold Chain Turnkey Project)
25. Aalishan International Pvt. Ltd. Rudrapur (Cold Chain Turnkey Project)
26. Rana Frozen Foods. Roorkee (Cold Chain Turnkey Project)
27. R.k Food Product. Kashipur (Cold Chain Turnkey Project)
28. Shri Laxmi Frozen Food. Farrukhabad (Cold Chain Turnkey Project)
29. RYB Frozen Foods Raipur Chatiisgarh (Cold Chain Turnkey Project)
30. Frozen Agro Industries ,Shahpura (Jabalpur) Madhya Pradesh
31. Bhumi Hi Tech Cold Storage (Anand) Gujarat.
32. Indus Mega Food Park, (Khargone) Madhya Pradesh
33. Royal Food Stuffs Pvt. Ltd. (Vashi) Navi Mumbai.
34. Shree Bala Ji Foods. (Agra) Uttar Pradesh
35. Allana Sons Ltd. (Indagro Foods). (Unnao) Uttar Pradesh
36. Welga Foods. (Budayu) Uttar Pradesh
37. Gopal Food. (Bazpur) Uttrakhand 2 Units.
38. Sahu Khan Chand Foods. Chandausi. 2 Units
39. Jindal Frozen Foods Ltd. (Kashipur) Uttrakhand

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# CLIENT LIST

## MEGA FOOD PARK AND COLD CHAIN PROJECTS

40. Paras Frozen Foods Ltd. (Kashipur) Uttrakhand
41. Temptation Foods Ltd (Sonipat) Haryana
42. Imperial Frozen Foods. (Agra) Uttar Pradesh
43. Metro Frozen Food.
44. Raj Frozen Foods (Urai) Uttar Pradesh
45. Himalayan Vegetable Processors. (Sansarpur Terrac) Himachal Pradesh.
46. Naini Frozen Foods Ltd. (Rudrapur) Uttrakhand
47. R.K. Frozen Foods Ltd. (Kashipur) Uttrakhand
48. Sam Foods Ltd. (Rudrapur) Uttrakhand
49. Vaishnavi Food Products. (Kashipur) Uttrakhand
50. Agrich Food. (Kashipur) Uttrakhand
51. Indian Frozen Food Ltd. (Bazpur) Uttrakhand
52. Anand Frozen Foods. (Kashipur) Uttrakhand
53. Dev Bhoomi Frozen Food Products. (Kashipur) Uttrakhand
54. Solitaire Drug & Pharma Pvt. Ltd. (Kashipur) Uttrakhand
55. Gonglu Agro Private Limited Nashik (Capricorn Food Products India Limited)
56. Jagdish Agri Export Pvt.ltd. (Indore) Madhya Pradesh
57. Shree Parv Agro Vet LLP (Jabalpur) Madhya Pradesh
58. Neelambra Beverages LLP (Jabalpur) Madhya Pradesh
59. Shri Hari Cold Storage (Seoni) Madhya Pradesh
60. Shri Hari Om Foods Services (Indore) Madhya Pradesh
61. Malwa Frozen Food (Indore) Madhya Pradesh
62. NH Raj Food Product Pvt. Ltd. (Jabalpur) Madhya Pradesh
63. Aggarwal International (Bilaspur) Uttar Pradesh
64. Maikal Green Food Pvt. Ltd. (Khargone) Madhya Pradesh
65. Ambrozia Frozen Foods (Baghpat) Uttar Pradesh
66. Shree Shyamji Frozen (Rampur) Uttar Pradesh
67. Bansuri Industries (Pilibhit) Uttar Pradesh
68. Vishwakarma Traders (Nathdwara) Rajasthan
69. Shree Kamalnayan Frozen Food LLP. (Ratlam) Madhya Pradesh
70. Neelambara Agro (unit Of Shivpriya Industries Pvt Ltd) Rampur Uttar Pradesh
71. AF Frozen Fruits & Vegetables Pvt.ltd Islamnagar Distt Budaun Uttar Pradesh
72. Phoenix Frozen Foods (Anand) Gujarat
73. Green Freeze Foods Pvt Ltd (Rampur) Uttar Pradesh
74. Saral Frozen Foods Pvt Ltd. (Kanpur) Uttar Pradesh
75. HSB Frozen Foods (Rampur) Uttar Pradesh
76. KP Frozen Foods Bilaspur (Rampur) Uttar Pradesh
77. Galaxy Agro Frozen Foods (Bazpur) Uttrakhand
78. 360 Degree Frozen Foods (Barabanki) Uttar Pradesh

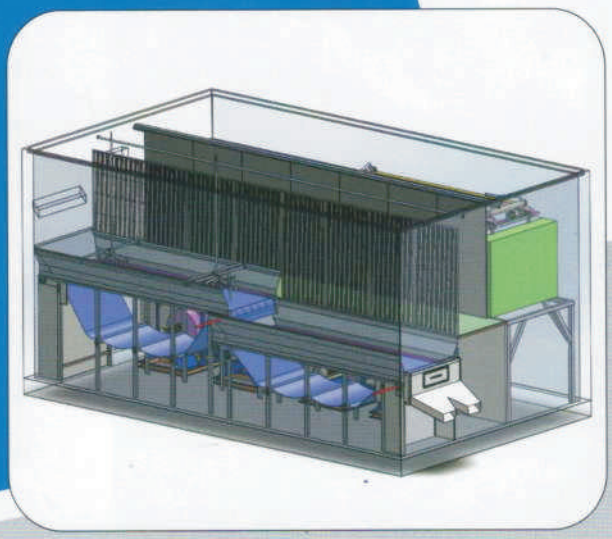

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IQF- FBS

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Rana Frost IQF- FBS is a fluidized bed Series Individual Quick Freezer which is designed to IQF a variety of small lose products like peas, sweet corn kernel, beans, okra, diced mango, strawberries, French Fries, Shrimps and other fruit and vegetables. This twin belt fluidization system allows effective individual quick freezing of large quantities of loose products. Even wet, sticky and delicate food items normally considered difficult to freeze are carefully handled and effectively frozen.







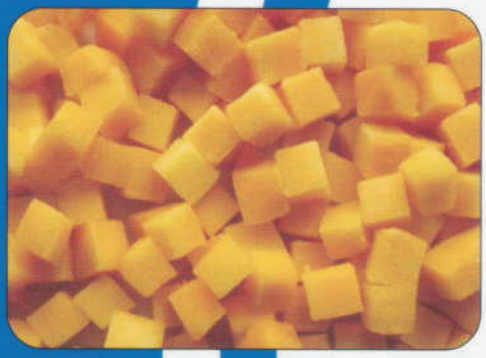
# Features

- ✓ Continuous separation and fluidization of product by upward air stream
- ✓ Product moves on first belt for quick crust freezing and is transferred on to deeper second belt for fluidization and final freezing
- ✓ Easy access to Sanitation and maintenance
- ✓ Lower operation and maintenance cost
- ✓ Pre- assembled at factory and tested prior to dispatch.
- ✓ Customized design to suit client requirements and layouts.

IQF- FBS

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# Technical Details:

- ✓ Twin belt system with variable speed adjustment for each belt.
- ✓ Modular Plastic belt for better performance and easier maintenance.
- ✓ Heavy duty fans for continuous operation and variable speed adjustment for the fans as an option
- ✓ Product stirrer mounted on the first belt is provided for handling sticky products and prevent lump formation.
- ✓ Cooling coil made of Stainless steel tubes/aluminum fins with large face area and wider fin spacing for extended run time.
- ✓ All internal structure in stainless steel and seam welded stainless steel flooring for better hygiene
- ✓ Sandwich PUF panel enclosure with Stainless steel finish on both sides.
- ✓ Optional PLC based control panel with HMI touch screen.
- ✓ Optional ADSRS (AIR DEFROST SNOW REMOVAL SYSTEM ) providing continuous running of the freezer for more than 22 hours between defrost.
- ✓ Optional low temperature camera with Panel mounted display.

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IQF- IST

**Rana Frost IQF - IST** is an Impingement Straight belt tunnel for continuous freezing which is designed to IQF a wide range of products like Fish fillets, Shrimps, Squids, scallops, raw meat, vegetable, fruits, bakery and ready-to-eat items. This single belt pressurized downward air flow freezing system allows effective individual quick freezing of large quantities of products and is a versatile machine as it can be customized to suit different products and different temperatures.







# Features

- ✓ Individually Quick Freezing of product by pressurized downward air stream.
- ✓ Easy access to Sanitation and maintenance.
- ✓ Lower operation and maintenance cost.
- ✓ Pre-assembled at factory and tested prior to dispatch.
- ✓ Customized design to suit client requirements and layout

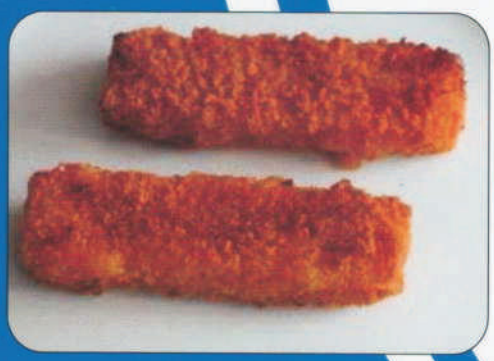
IQF- IST

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# Features

- ✓ Single belt system with variable speed adjustment.
- ✓ Modular Plastic belt for better performance and easier maintenance.
- ✓ Heavy duty fans for continuous operation and variable speed adjustment for the fans as an option
- ✓ Cooling coil made of Stainless steel tubes/aluminum fins with large face area and wider fin spacing for extended run time.
- ✓ All internal structure in stainless steel and seam welded stainless steel flooring for better hygiene
- ✓ Sandwich PUF panel enclosure with Stainless steel finish on both sides.
- ✓ Optional PLC based control panel with HMI touch screen.


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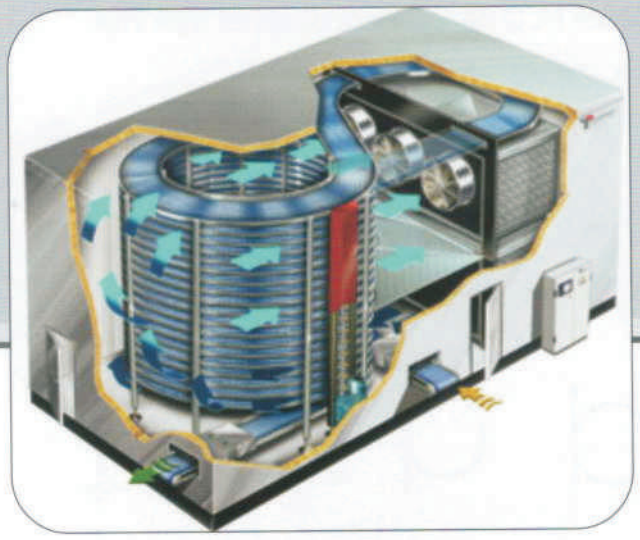
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RANA FROST SPIRAL - SPS

Rana Frost Spiral- SPS is a custom built spiral and has variable air flow direction for maximum cooling efficiency. The air flow pattern inside the spiral is guided smoothly to ensure all products are evenly cooled or frozen. The spiral is suitable to cool a wide range of products like samosa, patty, burgers, nuggets, pizza, ready-to-eat meal, Bakery, pastry, sea food, poultry and meat products.







# Features

- ✓ Highly efficient conveying and Freezing system suitable to handle a variety of products.
- ✓ Easy access to Sanitation and maintenance.
- ✓ Lower operation and maintenance cost
- ✓ Pre-assembled at factory and tested prior to dispatch
- ✓ Customized design to suit client requirements and layouts with various belt width, different in-feed/ out-feed combinations, upward and downward spiral systems.

RANA FROST
SPIRAL - SPS

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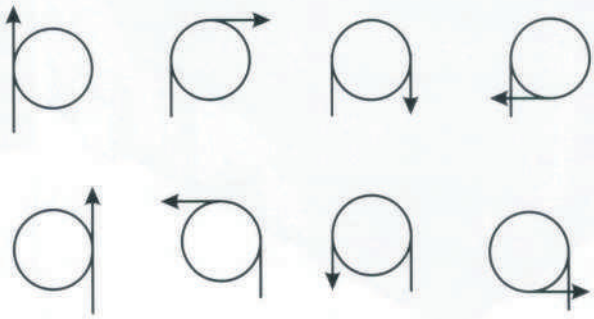






# Technical Details:

- ✓ Belt variable speed drive to adjust the product retention time inside the cooling/Freezing zone.
- ✓ Modular Plastic or Stainless steel belt option for better performance and easier maintenance.
- ✓ High efficiency fans for lower power consumption and option of choosing variable speed adjustment for the fans.
- ✓ Cooling coil made of Stainless steel tubes/aluminum fins with large face area and wider fin spacing for extended run time.
- ✓ All internal structure in stainless steel and seam welded stainless steel flooring for better hygiene
- ✓ Sandwich PUF panel enclosure with Stainless steel finish on both sides.
- ✓ Optional PLC based control panel with HMI touch screen.



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Industrial refrigeration system - Our industrial refrigeration system provide solutions for all the cooling and freezing requirement in the Food processing and Food storage applications. We can provide systems working with ammonia or Freon as the refrigerant and can design with reciprocating and screw compressors.

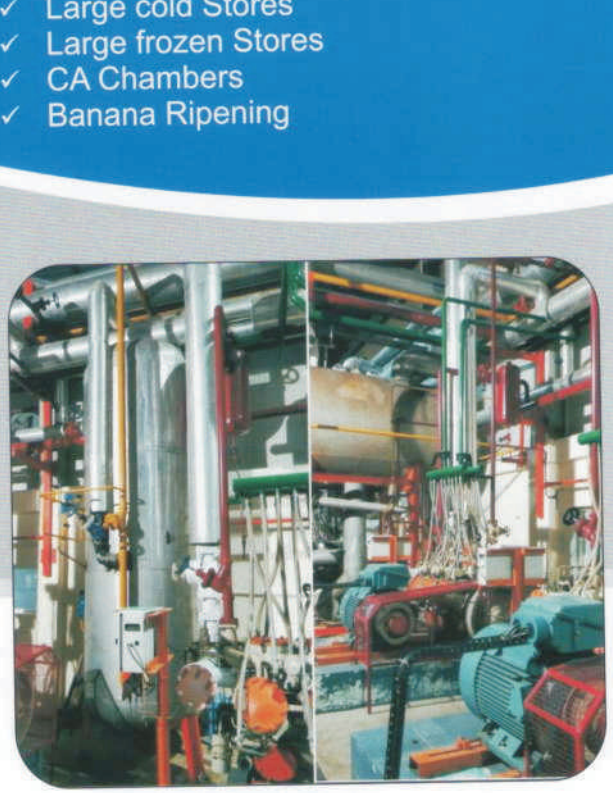
## Refrigeration in Food Processing:

- ✓ Fruits and Vegetables
- ✓ Convenience Food ( Ready-to-cook and ready to Eat )
- ✓ Seafood
- ✓ Poultry
- ✓ Meat
- ✓ Milk and Dairy products

## Refrigeration in Food Storage:-

- ✓ Large cold Stores
- ✓ Large frozen Stores
- ✓ CA Chambers
- ✓ Banana Ripening







# Features

- ✓ Total solution for all refrigeration requirement
- ✓ High reliability components used
- ✓ Design and Engineering as per Standards and Codes
- ✓ Pre- Engineered, Pre-fabricated at factory and tested prior to dispatch.
- ✓ Low cost of ownership
- ✓ Energy Efficient and environment friendly system

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Industrial Refrigeration System









# Applications:

We design engineer and manufacture refrigeration systems for the following : -

- ✓ Individual Quick Freezer - IQF
- ✓ Spiral Freezer
- ✓ Blast Freezer
- ✓ Plate Freezers
- ✓ Frozen Stores
- ✓ Cold Stores
- ✓ Ripening Chambers
- ✓ Controlled Atmosphere Stores
- ✓ Modified Atmosphere Stores

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We have developed processing system as per the customer requirement & manufacture production line variety of production process:

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## FRUITS AND VEGETABLES PROCESSING LINE



Processing Line for Frozen Green Peas 500Kg/Hr to 10 MT/Hr.



Processing Line for Frozen French fries



Processing Line for Other Vegetables

**a) Carrot** **c) Sweet Corn**
**b) Beans** **d) Cauliflower**

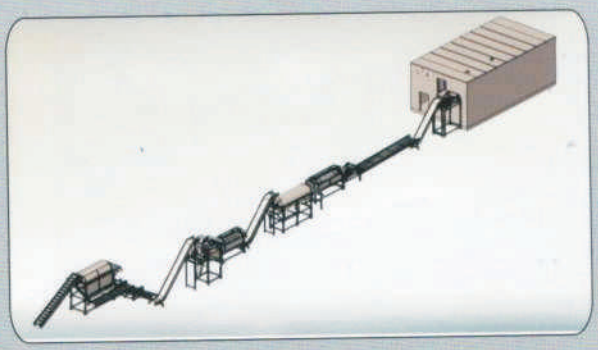


Processing Line for Potato Chips



Processing Line for Potato Flakes

The company as continuously invested in the development and design to comply with the operation and surrounding atmosphere, thus resulting in highly efficient and strong durable machines. RMIPL system are immediately incorporated into current production through a continuos improvement process.



Processing Solution

# Processing Line





A Prominent organisation in the domain of manufacturing and supplying, we are engaged in offering a high quality range of post harvested machinery and material handling equipment. Fabricated using high quality raw material these machineries are in accordance with all the policies of Indian Government laid out for Agro Products.

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Fruit & vegetable Processing Solution

# Vegetable Processing Equipment



## DICER AND SLICER

Suitable for slices, Carrot & Potatoes, cubes cutting



## PEELER

- ✓ Steam peeler
- ✓ abrasive peeler
- ✓ Suitable for peeling of potatoes for French fries and other vegetables.



## BEAN SNIPPER

For Top and Tail cutting.



## BEANS CUTTER

To cut the beans 15 mm to 25 mm.



## BELT TYPE BLANCHER

- ✓ Suitable for both Steam & Hot Water Blanching.
- ✓ Minimum water volume, water level adjustments and effective turbulence for uniform blanching of variety of vegetables


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Cold Storage - CS We design, engineer, construct and commission :-

Frozen Stores
Chill Rooms
Cold Stores
Ca Stores
Ma Stores
Ripening Chambers.

We can undertake to construct the complete project on Turnkey basis.







# Features

- ✓ Pre Engineered building
- ✓ Pre fabricated, insulated panel construction with insulated doors
- ✓ Internal flooring or racking system
- ✓ Refrigeration system with Ammonia or Freon
- ✓ Control systems to monitor and control temperature, humidity and other relevant parameters.
- ✓ Dock seals, Dock shelter and Dock leveller

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# Applications:

- ✓ Frozen Stores : Frozen fruit and vegetables, Frozen red meat, Frozen Fish, Ice creams and Frozen Desserts.
- ✓ Cold Stores: Potato, Fruit & Vegetables, fish and Kirana items
- ✓ Chill Rooms: Fish, meat, milk and dairy products.
- ✓ CA stores: Fruits and vegetables like Apples, lemons.
- ✓ Ripening Chambers: Banana, Mango, Papaya and other fruits

Cold Storage

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# PEB

RMIPL offers one of the most comprehensive pre engineered steel buildings with application in various market segment like warehousing, infrastructures, factories, heavy industry etc. Pre engineered steel building (PEB) are steel structures built over a structural concept of primary members, secondary members roof and wall sheeting's connected to each other and various other building components. These buildings can be provided with different structural and non structural additions such as skylights, wall lights, turbo vent, ridge ventilators, louvers, roof monitors, doors and windows, trusses, mezzanine floors Fascias, canopies, crane system, insulation etc. based on customer requirements.

As a leading PEB manufacturer, RMPIL provides the complete service of Engineering, Fabrication and Erection thus ensuring better quality control at every stage of the process.

**Features**

- Custom designed and cost effective solution
- Light weight and quality solutions
- Professional approach and speed in execution

**User application**

- Factories
- Warehouses
- Showrooms
- Super markets
- Aircraft hangars
- Schools







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# Pallet Racking System

Pallet Racking system is the most common, economic and easy to use system among all other storage systems. It is designed and installed to comply with customer needs and requirements from small warehouses to huge distribution centers.We offer comprehensive range of double deep racks which are drive in type for the keeping and retrieval off pallets



**Features**

Pallet can be stored two deep while retaining accessibility reduced number of access aisles thereby accommodating additional racking Ideal for large material



**User industries**

- ✓ Warehousing
- ✓ Pharmaceuticals
- ✓ Food processing
- ✓ Others

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