

IDEF provides complete turn-key solutions or single production units.

Indian Dairy Equipments & Fabricators (IDEF) into Fabricating and Manufacturing of any equipment for food processing, where hygiene is predominating essentiality we cater to the needs of various sectors like Dairy, Fisheries, Food & Beverage, Pharmaceutical, Chemical, Fertilizers, and Feed Industries.



[www.ideal.in](http://www.ideal.in)

**ideal**<sup>®</sup>  
INDIAN DAIRY EQUIPMENTS & FABRICATORS

# Industries We Serve.

IDEF technical experts work to deliver custom-built solutions to meet the exact need of customers. Our equipment can be tailor-made to suit individual requirements no matter what industry.

Our manufacturing technology aims to help organizations to improve efficiency. Our products and services have been developed over many years to suit the range of almost any industry.

IDEF®  
An ISO  
9001:2015  
Certified  
Company



# IDEF develops and builds Milk Processing Plants, Fruits & Vegetables Processing Lines, Industrial Washing Machines, Food Processing Machineries, Storage Tanks, and Material Handling Systems.

We undertake turnkey projects as per customer's requirements. We can develop your product against samples for your specific requirements. We can also partner with you in developing.

Indian Dairy Equipments & Fabricators aims to help enhance the productivity and competitiveness of its customers in various industries throughout the world. We define their challenges and deliver sustainable products and solutions that meet their requirements.

Our success is attributed to our approach to continuous 3 "I"s Innovation, Improvement, and Implementation loyalty to the customer, and their satisfaction is our prime objective. These advantages ensure that our equipment is sustainable, environmentally friendly, and cost-saving.

## Why Choose Us!



Experience



One-stop Solution



1000+ Clients



After Sales Service



Standard of Excellence

## Values:

Total commitment to quality durability and reliability. Going the extra mile with our clients to establish a successful and long-term business relationship. Constantly seeking ways and means to provide a higher level of customer satisfaction.

Extensive market research to understand and meet the growing demands of the industry. Continuously upgrade quality standards in line with the trends for the next millennium thereby benefiting the customer.

## Vow to our Customers:

At the end of the day, our only assets are our clients and our reputation. We need to exceed every expectation that our client has - this means we also have to anticipate and manage future expectations.

Would you like to see more of our projects and get additional information? We will be happy to tell you more about our processing plants and machinery.



# Milk Processing Plant & Machinery

IDEF provides complete **turn-key solutions** or single production units for our clients.

IDEF design and execute a wide range of milk processing plants, and equipment for treating raw milk and milk-based products like Ghee, Paneer, Curd, Flavored Milk, and Ice Cream.

IDEF provides a one-stop solution for the whole dairy plant with a capacity of 500lph to 10000lph. With the Association of IDEF, you can find solutions for milk processing and packaging for the dairy plant.

Our engineering team knows all the needs of the dairy industry. These projects include designing, installation to commissioning various equipment that is used in various dairy plants.

The production is strictly in accordance with international standards of the manufacturing process, and the product packaging form can be configured according to customer requirements.



Homogeniser



Pasteuriser



Cream Separator



Pouch Packing Machine



Coldroom

IDEF is a leading manufacturer and supplier of:

- Raw Milk Reception Dock (RMRD)
- Milk Processing Plants
- Mini Dairy Plants
- Milk Chilling Centres
- Milk Powder Plants
- Flavoured Milk Plants
- Ghee Plants
- Curd Plants
- Paneer Plants
- Ice Cream Plants

# Raw Milk Reception Dock (RMRD)



Raw Milk Reception Dock is the primary intake point of liquid milk entry in **dairies/chilling centres**

IDEF can design, manufacture, supply and install a Raw Milk Reception Dock and milk processing plants. It is specifically meant for the reception of milk brought in cans from village milk collection centres located over a wide area. The cans of individual village milk collection centres from many such routes are unloaded at the RMRD, after which their milk is weighed & tested separately.

The objective of handling the milk as quickly as possible continues even at the milk reception, as the milk is still vulnerable to spoilage, till it is chilled and taken into the milk storage tank, and processed.

IDEF has many years of experience in Milk production, and the service we provide Designs the production line according to the customer's requirements.



Roller Conveyor  
with Can Tipping Bar



Weighing Bowl



Dump Tank



Can Drip Saver



Can Lid Wash Trough



Milk Can Scrubber



Bulk Milk Cooler



Chiller



Ice Bank Tank

# Ghee Processing Plant & Machinery

IDEF is a leading manufacturer of a wide range of Ghee Processing Plants and Machinery.

IDEF Ghee Processing Plant is used to convert the milk from liquid to a solid or semi-solid state. This entire process includes the melting of butter, separation, clarification, filtration, cooling, and packaging.

IDEF can also customize these plants as per your requirements. The plants are available in various standard capacities.

IDEF Located in Rajahmundry, Andhra Pradesh, India, we have constructed a wide and well-functional infrastructural unit that plays an important role in the growth of our company.



Cream Storage Tank



Butter Melting Vat



Ghee Boiler



Ghee Settling Tank



Ghee Sludge Press



Ghee Storage Tank

# Paneer Processing Plant & Machinery

IDEF is the best Paneer Processing Plant manufacturer, supplier, and exporter

IDEF is the most prominent enterprise actively engaged in providing a comprehensive array of Paneer Processing Plants. Our machines are developed using the latest technology under the supervision of skilled professionals. In this process, paneer is obtained by acid coagulation of milk at around 85°C, which is followed by the removal of whey.

IDEF design and supplies a complete range of paneer processing equipment like Paneer Vats, Steam Jacketed Pans, Coagulation Tanks, Paneer Press, Paneer Hoops, Chilling Vat, etc.



Paneer Vat



Paneer Coagulation Tank



Paneer Press (Pneumatic)



Paneer Press (Manual)



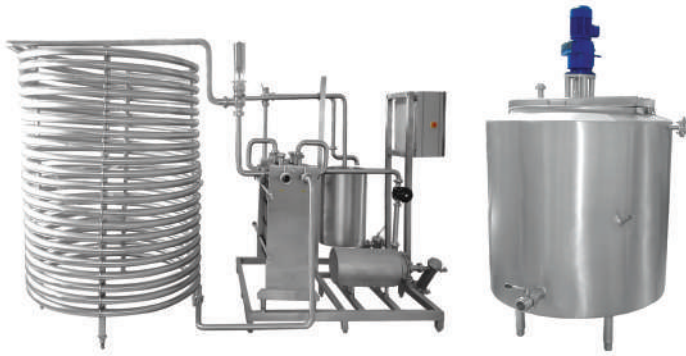
Paneer Hoops

# Curd Processing Plant & Machinery

IDEF provides a complete solution for curd processing plants & machinery along with designing & consulting.

IDEF Manufacturing process line for Curd, Yogurt, Lassi & Butter Milk which are Semi-Automatic & Automatic. The Curd, Yogurt, Lassi & Butter Milk Plant is manufactured using a durable range of equipment that ensures the longer service life of the plant.

There are different types of Curd Processing Plants depending on the type of milk being processed and the desired quality of the curd.



Curd Milk Pasteuriser

Inoculation Tank



Cup Filling Machine



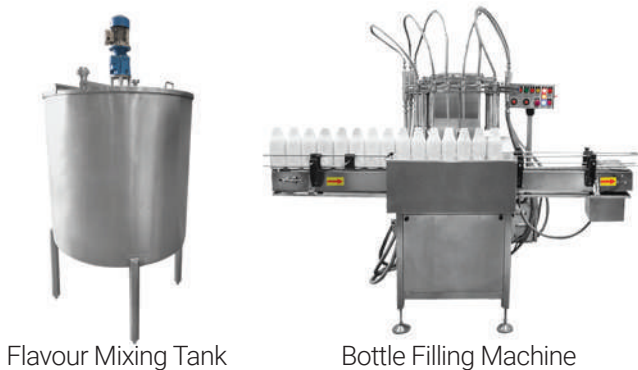
Incubation Room

# Flavoured Milk Plant & Machinery

IDEF provides complete turn-key solutions or single production units for our clients.

IDEF provides Flavored Milk Plants on a turnkey basis. The method of production of flavoured milk involves standardizing the milk to the desired fat and SNF. Milk is pasteurized, cooled, bottled and kept under refrigeration. Popular flavours for flavoured milk are strawberry, orange, lemon, pineapple, banana, vanilla, etc.

This plant is well-equipped with inbuilt features that help in easy operation. Owing to high efficiency and cost-effectiveness, our products are extensively demanded by the well-known dairy industry world-wide.



Flavour Mixing Tank

Bottle Filling Machine



Bottle Steriliser

# CIP Systems (Clean In Place)



IDEF CIP system is widely used in dairy plants, beverages, breweries, fruit juice plants, pulp processing lines, and other food processing plants. CIP is also known as cleaning in place. IDEF CIP Systems are typically meant for cleaning the interior surfaces of process equipment.

IDEF can design and customize according to customers' requirements. It is suitable for cleaning and purity of production devices which is in high demand at the sanitary level. We ensure that our systems can help the desired high level of hygiene and sanitization.



Automatic CIP System



Single Tank CIP System

# Storage Tanks



IDEF Storage Tanks can come in many different sizes/capacities ranging from 0.5KL to 100KL with a variety of diameter and height configurations. Our Storage Tanks are used to store a range of liquid products including dairy products, milk, water, oil, wax, paint, chemicals, beer, and wine.

Our range of products includes Silos, Vertical Milk Storage Tanks, Horizontal Milk Storage Tanks, Road Milk Storage Tanks, Bulk Milk Cooler, Ghee Storage Tank, Ghee Settling Tank, Butter Melting Vats, and Paneer Coagulation Tanks.



Horizontal Milk Storage Tank



Road Milk Storage Tank



Vertical Milk Storage Tank



# Conveyor Systems (Material Handling)



IDEF offers a wide range of functional, customized material handling products and systems solutions. IDEF improves and enriches the product line through continuous innovation, professional technology, and efficient services to meet the needs of a wider range of users. We make your products to get faster, more reliable, and more economical loading and unloading.

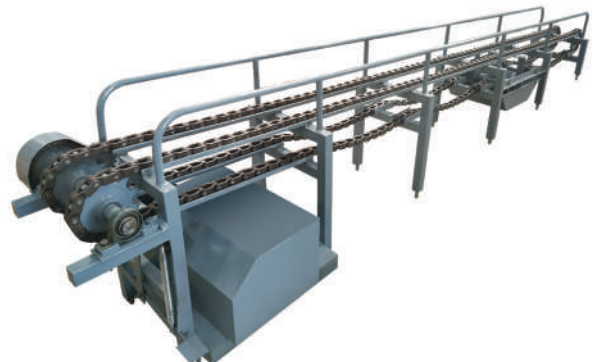
IDEF Conveyors is very well suited for a broad range of free-flowing products in the food, snack foods, frozen foods, vegetables, fruits, confectionery, and other sectors like agriculture, dairy, pharmaceutical, livestock, cosmetic, meat industry, chemicals, and other granules.

IDEF is a professional manufacturer with a specialized R&D team, and its products include Inspection Conveyors, Loading Conveyors, Modular Conveyors, Belt Conveyors, Chain Conveyors, Roller Conveyors, Screw Conveyors, Telescopic Conveyors, Bucket Elevator Conveyors, Vertical Lift Conveyors, IQF Infeed and Outfeed Conveyors.

- Adjustable height and speed.
- Drive arrangement consists of geared motors, bearings, and tensioning arrangement.
- Easy to operate, and it is simple and convenient to clean.
- Low maintenance and power-efficient.
- Modular design for easy assembly and disassembly.



Belt Conveyor



Milk Can Conveyor (Chain)



Crate Loading/Unloading Conveyor



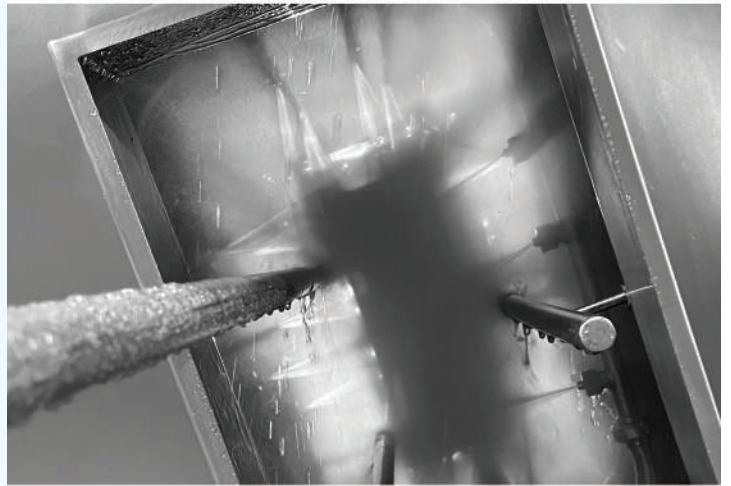
Screw Conveyor



Roller Conveyor

Would you like to **clean more crates** fully automatically?

In our product range, you will find many types of crate washing machines, for small or large crates. IDEF also develops tailor-made industrial washing machines.



## Milk Can Washer

IDEF Can Washer is an expert in hygiene and operates in the Dairy sector. These advantages ensure that our IDEF Can Washers are sustainable, environmentally friendly, and cost-saving machines.



## Tray Washer

IDEF Tray Washer is suitable to clean hard plastic trays, expanded polystyrene trays, and more. If you need to clean a variety of sizes of crates or trays, this machine will be very suitable for you. IDEF has developed a wide range of industrial tray washers.

## Crate/Bin Washer

IDEF Crate Washer is an expert in hygiene and operates in different sectors. IDEF also develops tailor-made industrial Crate Washers that are fully customized to suit your needs. IDEF develops and builds industrial crate washers.



# Accessories

## (Sanitary Valves, Fittings & Pumps)



### SS Valves



IDEF is one of the trusted names in the market engaged in offering a genuine quality range of Sanitary Valves. These Valves are fabricated using high-quality raw materials and components that are sourced from the most authentic vendors in the industry. In addition to this, we make prompt delivery of the Sanitary Valves at the client premises.

### SS Pipe Fittings



IDEF is highly acknowledged as an excellent quality SS Pipe Fittings Manufacturer in Rajahmundry. SS Pipe Fittings are available in different grades, materials, sizes, finishes, etc. The industry is having a professional team that is looking after the entire production of SS Pipe Fittings.



Pneumatic Butterfly Valve



Single Seat Pneumatic Valve



Double Seat Pneumatic Valve



Plug Valve-3Way



Plug Valve-2Way



Plug Valve-Flanged



Butterfly Valve



Pressure Relief Valve



Angular Valve



Check Valve



Flow Diversion Valve



Micro Valve



Sampling Valve



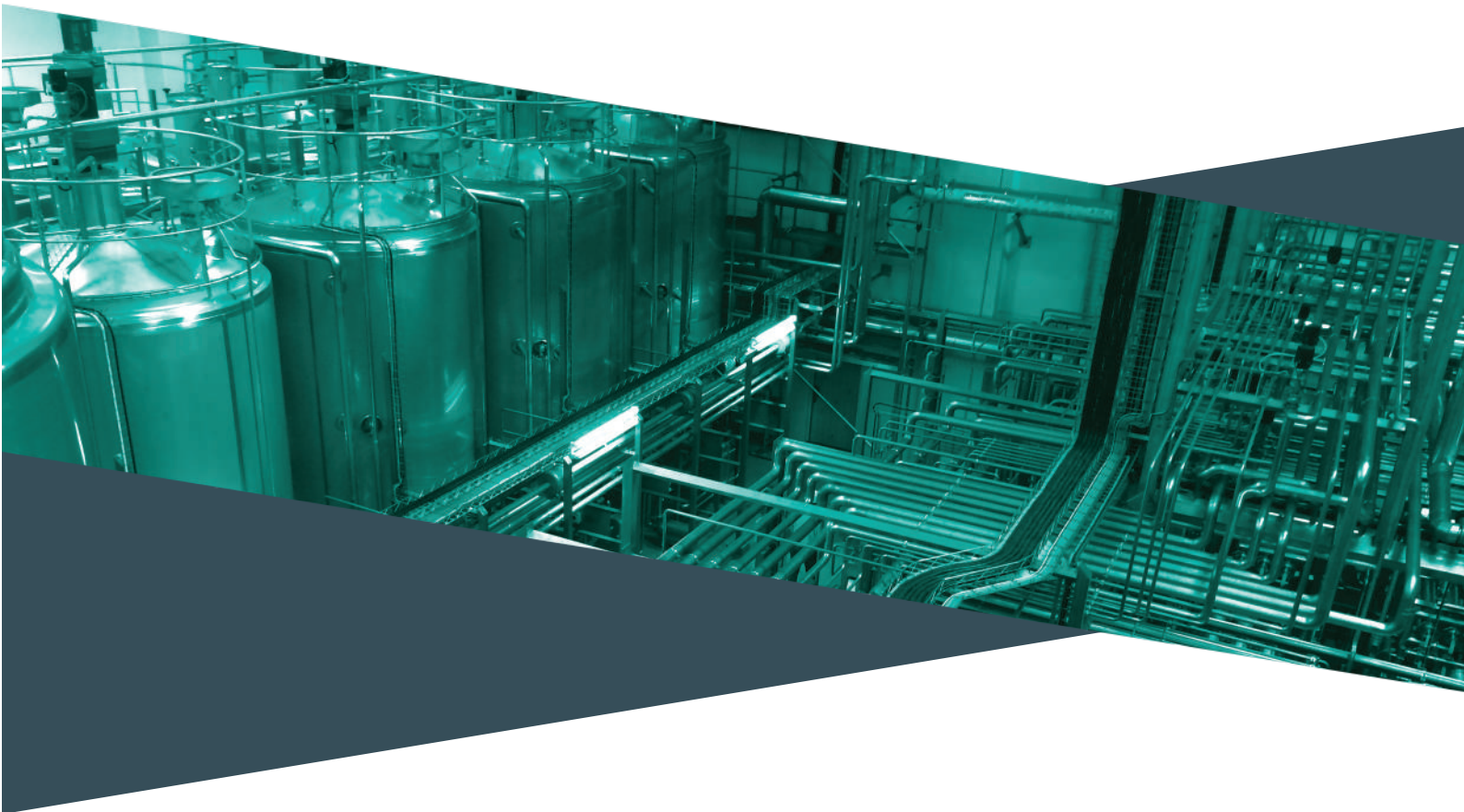
Ball Valve

### SS Pumps



IDEF Sanitary Pumps are designed to handle liquids with different viscosities with the liquid producing either positive or negative suction on the pump inlet. IDEF Sanitary Pumps are designed and manufactured as per the demands of various industries like dairy, food, pharmaceutical, and chemical industries.





**idef**<sup>®</sup>

INDIAN DAIRY EQUIPMENTS & FABRICATORS



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Assessment Process Transforms Systems



Standards Accreditation Council for  
Assessment Services Providers