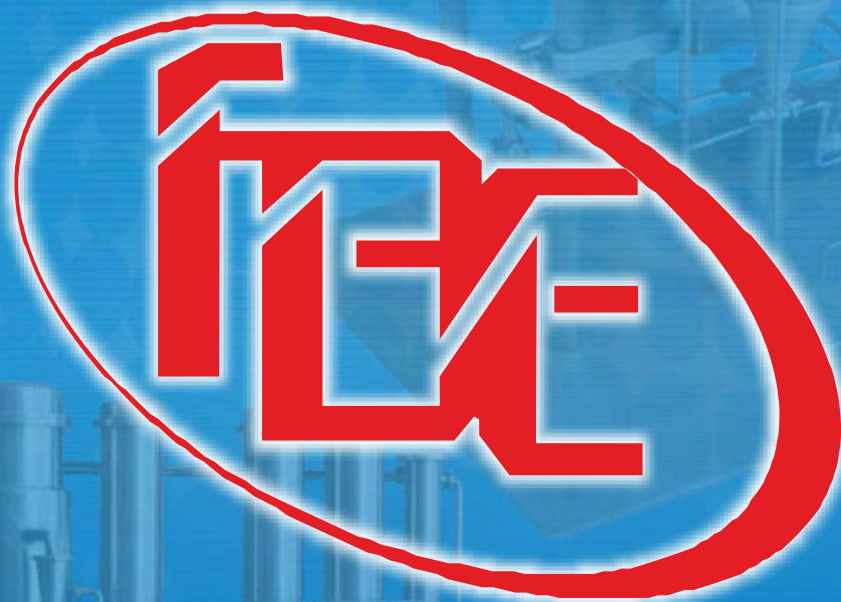


With Innovative  
Engineering Solutions and  
Technological Excellence



# **FOOD & BIOTECH ENGINEERS (INDIA) PVT. LTD.**

An ISO 9001:2008, 18001:2007, 14001:2004 Certified Co.

"Designer, Manufacturer for Evaporator & Dryer for Milk, Distillery  
Effluent & Various Biotechnology and Process Equipments"

[www.foodbiotech.co.in](http://www.foodbiotech.co.in)



Food & Biotech Engineers (I) Pvt. Ltd, (An ISO 9001 : 2008, 18001 : 2007, 14001 : 2004 Certified Organization) in collaboration with **RALLI OY (FINLAND), & AUSTRALIAN BASED COMPANY (Nutritional Powder Technologies Pty Ltd.)** is a growing Engineering

Company engaged in **DESIGNING, MANUFACTURING, INSTALLING AND COMMISSIONING OF FOOD, STARCH, DAIRY, DISTILLERY EFFLUENT. VARIOUS BIOTECH-NOLOGY, PROCESS EQUIPMENTS AND RELATED PLANTS.**

These include **Dairy/ Food/ Fruit Processing Plants, Pharmaceutical And Bio-product Projects, Industrial Equipment, Evaporators, Dryers, Pressure Vessels, Storage Tanks, Stainless Steel Piping** and related Paraphernalia in varied sizes.

The company is floated by an Engineering Pioneer Mr. R. P. Singh and has embedded its position as one of the leading players in its arena under his leadership.

Mr. R.P. Singh has been awarded with **Rashtriya Udyog Ratna Award** from National Education And Human Resources Development Organization, for **SELF MADE INDUSTRIES, Rajiv Gandhi Shiromani Award** by H.E. Shri Syed Sibtey Razi Governor of Jharkhand and business sphere award.

As FBE's equipment price is competitive, which enables many small businessman to put Milk processing and Spray Drying unit with small budget, which was not possible earlier. It has also enabled small investor to effectively utilize their valuable resources and to become a big entrepreneur. To keep pace with fast changing technology in Industry, FBE is in continuous process to create an aura of latest technology by developing latest models of energy efficient and cost effective plants.

By exporting more than 45% of manufactured equipment, this company has earning valuable foreign exchange for country. Today company has generated more than 400+ employment opportunity inside the company and many more outside the company for the country.

# SCOPE OF BUSINESS

## TURN KEY PROJECTS

### DAIRY PROCESSING PROJECT

- Liquid Milk Processing Plant
- SMP/WMP/ Dairy Whitener Plant
- Sweetened Condensed/Evaporated milk plant
- Ghee Processing Plant
- Dahi/ Lassi/ Yoghurt Plant
- Shrikhand Plant
- Anhydrous Milk Fat/Butter oil Plant
- Paneer/ Khoa Plant
- Ice cream plant
- Casein/WPC/DM whey Powder Plant
- Lactose Plant
- Cheese Plant
- Flavored Milk Plant
- Malted milk powder plant

### FRUITS AND VEGETABLES PROCESSING PROJECTS

- Tomato/Mango
- Processing Plant
- Tomato ketchup plant
- Fruit juice concentration plant
- Tomato powder/Fruit powder plant
- Lemon juice/Lemon oil/Pectin plant

### INDUSTRIAL/DISTILLERY EFFLUENT HANDING PROJECTS

- Zero effluent discharge plant

### INSTANT TEA/COFFEE POWDER PLANT

- Tea Processing/Powder plant
- Coffee Processing/ Powder plant

### HERBAL EXTRACTION PROJECTS

- Rotary Extractor
- Vertical Extractor
- Reactor
- Wiped Film Evaporator
- Distillation column
- Crystallizer

### MALT PROJECTS

- Barley Malt extract plant
- Rice based glucose and Maltodextrin plant

### SPECIALIZE IN

- **Evaporators**
- Falling Film Evaporators
- Forced Recirculation Evaporator
- Combination of Falling film and Forced Recirculation evaporator
- Batch Type
  - Scrapped Surface Evaporator
  - Wiped film Evaporator

### DRYERS

- Spray Dryer
- Drum / Roller Dryer
- Fluid Bed Dryer
- Vacuum Band Dryer
- Vacuum Tray Dryer
- Ring Dryer
- Rotary Dryer

### MISCELLANEOUS EQUIPMENTS

- Milk Silo
- Butter Churn
- Butter melting system
- Road Milk Tanker
- Khoa Pan
- Screw Conveyor
- Bottle Sterilizer
- Rotary Valve
- Blow through Valve
- Steam radiator
- Disc Atomizer
- 10-25 kg Butter packing machine
- Twin shaft mixer
- Turbo Blender
- Paddle mixer
- Cone mixer
- Sigma mixer
- High solids (75% TS) mixing equipment
- Ribbon Blender
- Finger Stirrer with baffles
- Mixer with turbine agitator at bottom and paddle stirrer at top
- Auto hot water washing station
- SS pump
- Lope pump
- Cheese kettle
- SS valve/ Union
- CIP spray nozzle (Rotary type, turbine type)
- Triple concentric tubular heater
- Sifter
- Mist type Jet condenser
- Compactor
- Online sieving system



# EVAPORATORS

## EVAPORATORS

FBE provides evaporating systems using the most advanced and reliable resources in the industry. FBE evaporation technology is dedicated to meet a wide range of industrial application needs. This gives us a unique data base for today's applications. FBE concentration plants are used in the FOOD, DAIRY, CHEMICAL, FERMENTATION AND PHARMACEUTICAL INDUSTRIES. They are also used for waste water treatments like Spent Wash concentration in Alcohol industries. We have delivered systems for MILK, FRUIT JUICES PULP CONCENTRATES, HERBAL EXTRACTS, MALT MIX SLURRY, STARCH AND DERIVATIVES, SPENT WASH CONCENTRATION, AND AROMA RECOVERY for many different kinds of products.

## FALLING FILM EVAPORATORS

Falling film evaporators are designed by FBE with special care to meet a wide variety of specifications and duties of the final products. Having installed number of units worldwide during the last decade. FBE has acquired substantial experience and know how to comply with customer requirements.

## FORCED RE-CIRCULATION EVAPORATOR

Forced Re-circulation type evaporators are ideally suited for highly viscous liquids or liquids containing suspended solids. The Forced Re-circulation evaporator sometimes used as a finishing stage of multiple effect evaporators, or for products with high boiling point elevations. Because of the high velocities in the finisher, scaling is kept to a minimum, therefore it can be used as a crystallizing evaporator.

## Mechanical Vapor Recompression (MVR)

MVR is used to raise the pressure and temperature of vapor. The vapor is drawn out of the evaporator and compressed before being returned to the evaporator and compressed before being returned to the evaporator when mechanical compression is used. The pressure increase takes place by means of mechanical energy, used to drive the compressor. No thermal energy is supplied to the evaporator (except steam for heating in the 1st effect). There is no excess steam which has to be condensed. Apart from the steam used for start up, MVR evaporator requires no steam and no cooling water. However, if high concentration is to be achieved, it is advantageous to use a steam heated finisher for the last concentration. In this way, it will be easier to control the evaporator. An MVR evaporator may also be coupled with TVR and/or multiple effect evaporation stages. The high initial capital cost of an MVR unit must be weighed against the operating cost savings.

## Thermal Vapor Recompression (TVR)

High steam economy is obtained by recompression of the vapor generated from the boiling product. This is done by adding energy to the vapor by a steam jet. Part of vapor separated to be used together with boiler steam, to the thermo compressor. steam Boiler (usually at a pressure of 3.5-10 bar) is introduced through a nozzle creating a steam jet in the mixing chamber whereby vapor from the evaporator is sucked into the mixing chamber. The thermo compressor uses the high pressure steam to increase the kinetic energy and the steam ejects at high speed through the nozzle. The velocity of the mixture of steam boiler and vapor is reduced in diffuser and consequently, the pressure

## FORCED RECIRCULATION EVAPORATOR FORCED RECIRCULATION EVAPORATOR



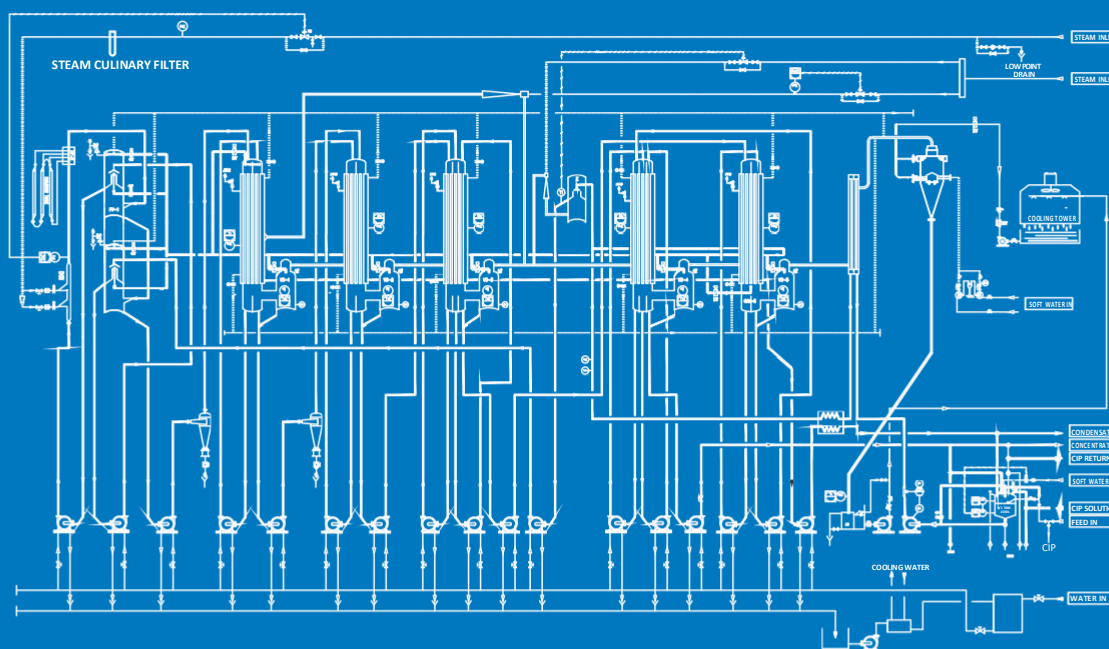
## FALLING FILM EVAPORATORS FALLING FILM EVAPORATORS



and temperature are increased, making the mixture suitable as a heating medium in the calandria.

# EVAPORATOR

## FIVE EFFECT EVAPORATING PLANT WITH MIST WATER JET CONDENSER



### SALIENT FEATURES OF FBE MAKE EVAPORATORS

- Adjustable and controllable direct contact heat treatment units.
- Shortest possible residence time.
- Special design to prevent bacteriological growth including thermophiles.
- Special design of liquid distribution systems to ensure correct tube coverage.
- Extended tube length.
- Efficient design of separators.
- Low energy consumption (Steam, Power, cooling water).
- Easy operation.
- No scale formation in tubes.

## DAIRY PROCESSING

### LIQUID MILK PROCESSING PLANT

FBE design, supply, install and commission liquid milk processing plant on turn key basis. The capacity of plant vary from 5,000 lit/day to 10,00,000 lit/day. The other milk products like Butter, Ghee, SMP/WMP/ Dairy whitener, Sweetened condensed/Evaporated milk plant, Dahi / Lassi / Yoghurt / Shrikhand, Paneer, Khoa, Ice cream, Casein/WPC/DM whey powder/ Lactose, Cheese are also manufactured with milk polypack.

### SMP/WMP/ DAIRY WHITENER PLANT

Dried milk powder is the product obtained by the removal of water from milk by heat or other suitable means, to produce a solid containing 3.5% or less moisture. Whole milk, skim milk may be used for drying. The dried product obtained from whole milk is called whole milk powder; from skim milk is known as skim milk powder.

### ICE CREAM PLANT

Ice cream is a frozen dairy product prepared by suitable blending and processing of cream and other dairy products together with sugar and flavor, with or without stabilizers or color, and with the incorporation of air during the freezing process.



### SWEETENED CONDENSED MILK PLANT

Condensed milk is the product obtained by evaporating part of the water of whole milk, or fully or partly skimmed milk, with or without addition of sugar.

# DRYERS

FBE has designed and supplied various types of dryers to large number of Milk Powder/Fruits Powder/Baby Food Powder/Coffee Powder/Egg Powder manufacturers in India and abroad.

It has commendable achievements in the field of design, manufacture, installation and commissioning of following types of dryers:

- Spray Dryer
- Fluid Bed Dryer
- Vacuum Band Dryer
- Vacuum Tray Dryer
- Ring Dryer
- Spin Flash Dryer
- Rotary Dryer
- Steam Tube Dryer

## SPRAY DRYER

Spray drying is transformation of feed from a fluid state into dried particulate form by spraying the feed into a hot drying medium. It is a continuous particle-processing drying operation. The feed can be a solution, suspension, dispersion, emulsion or slip. The dried product can be in the form of powders, granules, or agglomerates.

Feed is finely atomized and is introduced in the drying chamber along with hot air. During this residence time, the feed droplets loose its moisture to the hot air and are converted into dry powder particles. The dry powder falling on to the conical portion of drying chamber slides down to bottom of drying chamber with the assistance of vibrators/knockers and is collected in collection bag/bottle through the rotary valve located at the bottom of drying chamber.

The air leaving the drying chamber entrains some of the dry powder which is recovered in the cyclone separator and collected through rotary airlock. The air leaving the cyclone separator still has traces of dry powder, which is further recovered by scrubbing in wet scrubber or passing it through bag filter.



## SALIENT FEATURES OF FBE DESIGNED SPRAY DRYER

- ✦ Drying & particle formation in one process.
- ✦ Wide range of particle size and distribution can be obtained.
- ✦ Reduced running cost
- ✦ Fully Automatic – needs little running attention.
- ✦ Continuous production machine without human touch.
- ✦ Provision of cooling cum conveying system.
- ✦ Bottom cone angle of drying chamber is 45° - powder slides.
- ✦ Unique Air Disperser design – thorough air-spray mixing –
- ✦ minimizes powder sticking – reduced down time.
- ✦ Air exhaust from high efficient cyclone & filter bag house
- ✦ Quick opening manholes/cleaning windows

## FLUID BED DRYER



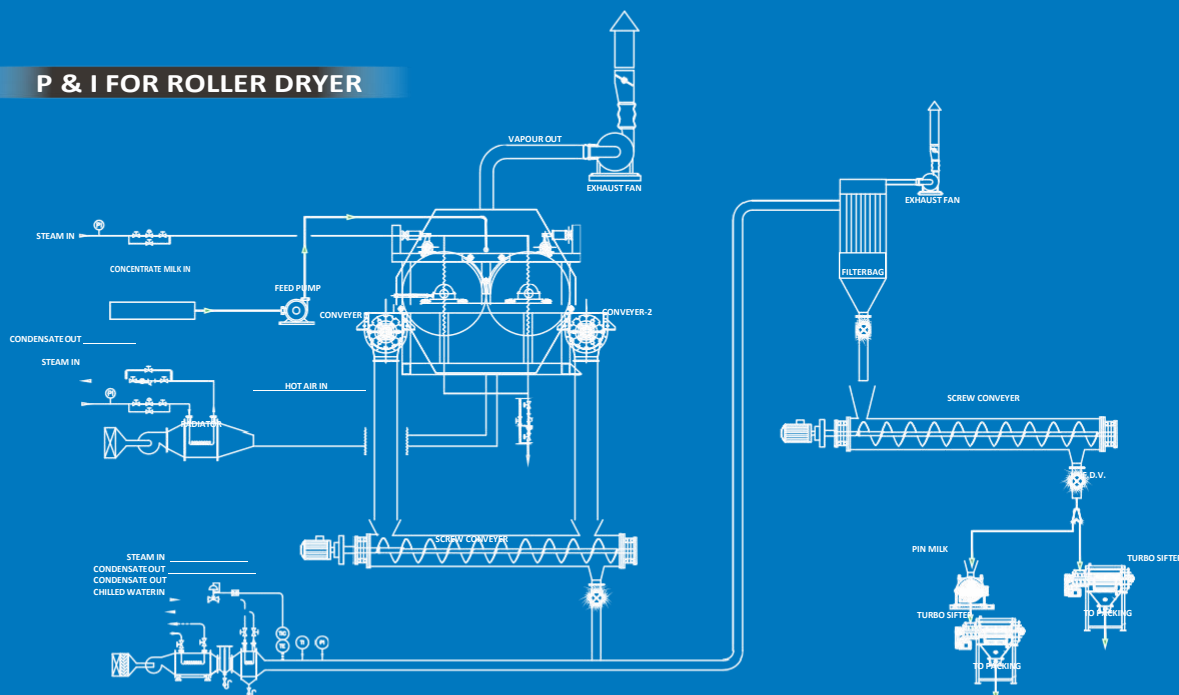
To avoid channeling effects and to ensure true fluidization, vibration is required, so FBE is using Vibrating fluid bed dryers in the powder manufacturing unit. After introducing a fluid bed into the spray drying processing, FBE has recognized that there was a distinct difference in the structure of fluid bed treated powder compared with powder from a pneumatic conveying system. The fluid bed treated powder was distinctly coarser and are free flowing. The reason for better flow ability was a partial agglomeration.



## ROLLER DRYER

In roller drying the product is distributed on rotating, steam-heated drums. The water in the product evaporates and is drawn off by a flow of air when it comes in contact with the hot drum surface. The pre-treated product is admitted to a trough formed by the cast iron drums and their end walls. A thin layer of product on the drums is heated quickly when it comes in contact with the hot surface. The water is evaporated and the layer of product on the drum dries. This film is continuously scraped off by knives in contact with the periphery of each drum. The dried product falls into a screw conveyor in which it is ground into flakes. The flakes are then transferred to a grinder, and hard and burned particles are separated on a screen at the same time.

### P & I FOR ROLLER DRYER



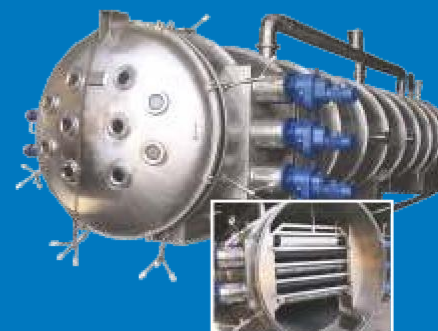
## VACUUM BAND DRYER

Vacuum Band dryer are especially efficient for the continuous drying of temperature sensitive products. The vacuum inside this type of dryer lowers the aggregate level for evaporation so that efficient drying can be accomplished at lower temperature. This ensures that sensitive foodstuffs can be dried very gently and efficiently. It comprises a vacuum chamber housing a number of conveyor bands which pass over platens heated by steam. These units are supplied with a range of capacities.

### Application:

- Malted Milk drying
- Fruit juice concentrate drying
- Herbal extracts drying
- Lumpy products & granulates drying

FBE designs and supply malted milk plant. Malted milk food is the product obtained by mixing Milk with malt extract and cereal grain. The paste formed is evaporated and vacuum dried to manufacture malted milk powder. The scrapped type evaporator with specially designed agitator shall be used to concentrate the product upto 70-80% TS then it is dried in Vacuum Band dryer.



## VACUUM TRAY DRYER

We offer 12 trays, 24 Trays, 55 trays and more, vacuum tray Dryer that finds application in food, pharmaceutical and other industries. It is easy in operation and is suitable for drying granulates, powders, wet cakes and slurries. The inner chamber is fabricated using mild steel and stainless steel and the temperature ranges from 50C to 250C. Body shall sustain vacuum stress of 710 mm WG. The vapor coming out from chamber shall be condensed in vapor condensing system consisting of Barometric condenser and vacuum pump.

### Application:

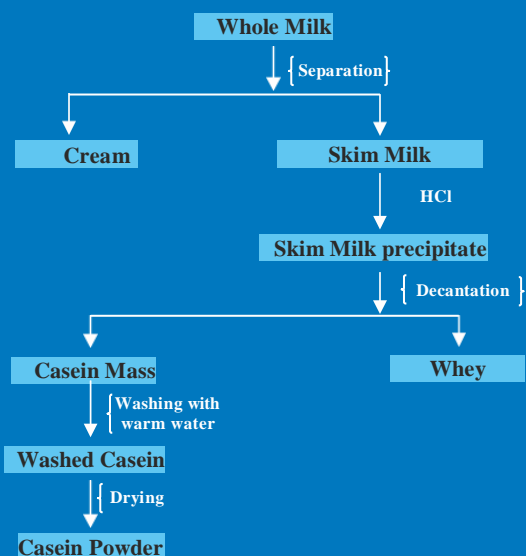
- Fruit juice concentrate drying
- Herbal extracts drying
- Lumpy products & granulates drying



# CASEIN PLANT



Casein is an insoluble milk protein powder produced from pure pasteurized skimmed milk by controlled acid precipitation. It shall be used as an ingredient in the manufacturing of pharmaceutical products and other specialized foods, cheese products, ice cream and other protein foods.



## Demineralized Whey Powder/Whey Protein Concentrate/ Lactose Plant

Whey has a fairly high salt content; about 8-12% calculated on Dry matter basis, its usefulness as an ingredient in human food is limited. Whey is demineralized partially (30-50%) and highly (90-95). Demineralization involves removal of inorganic salts together with same reduction in the content of organic ions such as lactates and citrates.

## Whey Protein Concentrate Powder and Lactose

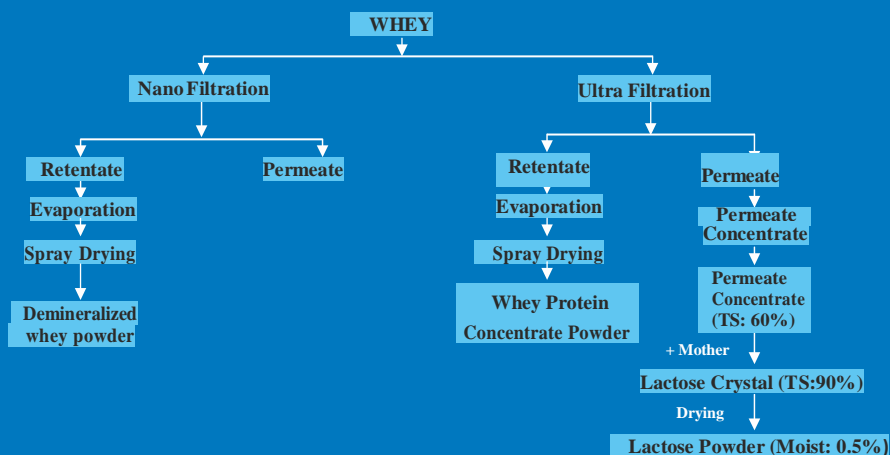
Whey protein concentrates are powder made by drying the retentate from the Ultra Filtration of whey. They are described in terms of their protein content, % protein in dry matter basis, ranging from 35% to 85%. The concentration of whey proteins is primarily achieved by UF and Diafiltration. The permeate of UF membrane is high in lactose content, so that is used for manufacturing lactose powder. Permeate recovered is concentrated to minimum 62% TS level in an evaporator and then cooled under controlled conditions for Lactose crystallization. Crystals are washed, decanted and dried to produce pharma grade lactose.

## Milk Protein Concentrate

When skimmed milk is pumped through a series of special Ultra Filtration Membranes under cold temperature conditions the major proteins and part of lactose along with complete part of milk fat does not pass through the membrane and comes out as retentate. Around 80% of ash and only 15% of the available NPN in milk are also retained in this part of ash pass through the membrane and coming out as permeate. The retentate coming out is in the range of 18-22% total solid and the permeate is in the range of 18-22% total solid and the permeate is in the range of around 5% total solid contents. Retentate is thereafter further concentrated up to around 45% TS level higher by using an evaporator or up to around 30% TS level by using an RO system. Concentrated liquor is then spray dried to from MPC powder.



Nano Filtration Plant





# OTHER EQUIPMENTS

## CONTINUOUS BUTTER MAKING MACHINE

The continuous butter-making machines are intended for butter production lines. The line assembly enables their supplementing by auxiliary equipment specified in accordance with technology used with local conditions.

### FEATURES

It is a very compact machine which can handle both sweet as well as sour cream. The output is high and hence it is more productive and economical than conventional batch methods. The most important feature of this machine is that the output is continuous unlike in other conventional methods. All the contact parts in the machine are of high grade stainless steel, ensuring hygienic working conditions.

### Advantages

- Built in cream Pre-heater
- Built in Butter Milk Cooling
- Low air content in final products
- Advanced dosing system for water, salt and culture
- Internal CIP System
- Each machine size has a wide capacity range
- Less labour requirement
- Minimum space required
- Minimum maintenance cost
- Low power consumption
- All product contact parts AISI 304



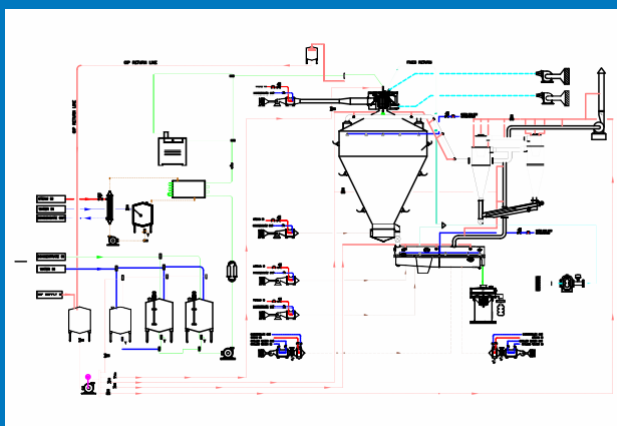
## BUTTER OIL PLANT

Butteroil is a dairy product which is created by removing the moisture and the non-fat milk solids contained in butter. It is a milk fat-based dairy product in its purest form. In terms of a packaged good, butteroil is an efficient and economical means of transporting and storing butterfat.

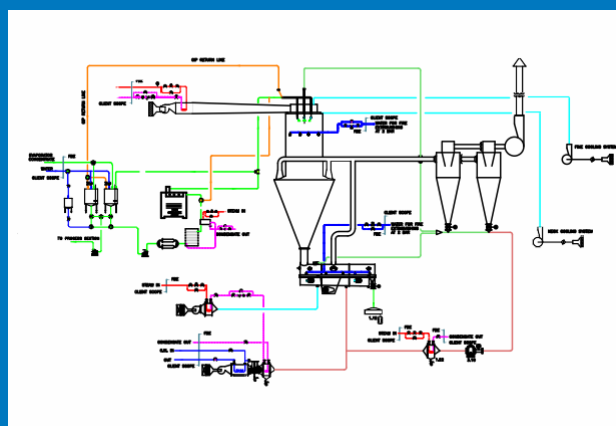
Butter oil plant shall consist of following section:

- |                        |                      |                        |              |
|------------------------|----------------------|------------------------|--------------|
| • Phase inversion      | • Oil concentration  | • Oil heating          | • CIP- Plant |
| • Oil polishing        | • Vacuum evaporation | • Butter milk skimming |              |
| • Butter oil additives | • Butter oil storage | • Valve technology     |              |

## P & I OF SPRAY DRYING PLANT



P & I OF THREE STAGE DRYING (MSD)



P & I OF DOUBLE STAGE DRYING PLANT

## OTHER EQUIPMENTS

### TWIN SHAFT MIXER

Twin Shaft Mixer is a new generation mixing technology available in India with the striking features for the demanding precision mixing & also to provide homogeneous mixtures of physically adverse particles incorporated at various level in the mixing. The complex design of the Twin shaft Mixer combine fast mixing with slow shaft speed & gentle product handling resulting in highly homogeneous mixes after extremely short mixing times.

Carefully positioned paddles on too low speed, counter rotating create a fluidized zone with low power consumption.

#### SALIENT FEATURES OF FBE MAKE TWIN SHAFT MIXER:

- Homogeneous mix irrespective of density, shape & size of the ingredients.
- Gentle mixing, hence no heat generated.
- Mechanical fluidized zone ensures homogeneous mix in shortest possible time 3-5 minutes
- Very low power consumption per ton of mix.
- High internal transport capacity & gentle handling give outstanding results in liquid/ powder coating.
- Large bottom opening facilitating faster discharge without segregation.

### CONCENTRIC TUBE-IN-TUBE HEAT EXCHANGERS

FBE has a range of tubular heat exchangers that provide effective and gentle solutions for pasteurization and other types of heating and cooling of liquid foods and beverages. The tube-in-Tube heat exchanger is designed to eliminate the risk of inter-mixture between product and medium. It permits the free flow of product with very low fouling, and long, often extremely long, running times.

#### ADVANTAGES

- It can be built in a very large range of sizes
- It can handle steam or refrigerants and has statutory approval for a wide range of configurations and pressure
- It is rugged in construction and virtually service free.
- It can produce surprisingly high heat transfer co-efficients, even in large diameter tubes.
- It can be equipped with castors for mobility with multipurpose use in smaller plants.
- It can be constructed to handle the most difficult products or effluents with particulates.
- The smooth cylindrical form facilitates external cleaning.

### SIGMA MIXER

FBE fabricates the heavy duty Sigma Mixer for various applications like mixing, kneading, grinding etc. It produces uniform and homogeneous mixing of products in the process unit. Material of Construction of Sigma Mixer is Mild Steel or Stainless Steel 304 or 316 with dust free cover to get Vacuum. The Sigma mixer can also supplied with jacket of Carbon Steel covering two sides for heating or cooling application. Capacity Range of FBE manufacturing sigma mixer is between 200 lit to 2000 lit.

#### SPECIFICATION

It shall contains mixing element (Blades) of Sigma type two in number which contra rotates inward to achieve end to end circulation & through & uniform mixing at close or specified clearance with the container. The mixed product can be easily discharged by tilting the container by hand lever manually either by system of gears manually operated or motorized. The Drive Consists of Motor of type TEFC/TEFC Flame proof of Specified HP 1440 RPM, Reduction Gear Box of Reputed Make having suitable size and ratio, Spur Gears, are also provided of adequate size and having machine cut teeth, between the front and rear blade complete with guard suitable for grease lubrication. The complete Mixer is mounted on Steel Fabricated stand of suitable strength to withstand the vibration and give noise free performance

#### APPLICATION:

- ! Powder
- ! Dough
- ! Cream
- ! Butter
- ! Paste sludge
- ! Slurry and granuals such baking, Pharma, adhesive, confectioneries.



SIGMA MIXER BLADE



# PHOTO GALLERY



**ROAD MILK TANKER**



**BOTTLE STERILIZER**



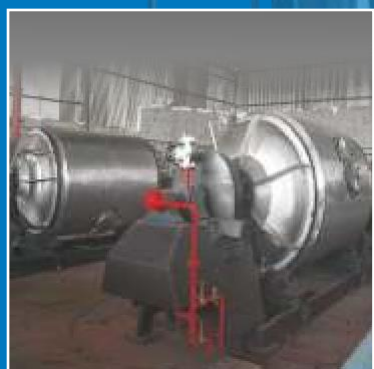
**SCRAPED SURFACE EVAPORATOR**



**Integrated Fluidized Bed Dryer**



**SILOS**



**ROTARY EXTRACTOR**



**CRYSTALLIZER**



**RIBBON BLENDER**



**PADDLE MIXER**



**DISC ATOMIZER**



**VACUUM BAND DRYER**





**BULK MILK COOLER**



**NANO FILTRATION**



**DEAERATOR**



**CHEESE KETTLE**



**ROLLER DRYER**



**CONTINUOUS BUTTER MAKING MACHINE**



**SIFTER**



**BUTTER CHURN**

# PHOTO GALLERY



**HOT AIR GENERATOR**



**STEAM RADIATOR**



**ROTARY VALVE**



**BUTTER MELTING SYSTEM**



**PANEER MAKING MACHINE**



**FALLING FILM EVAPORATOR**

# CUSTOMER LIST (PARTIAL)

## EXPORT SECTOR

**PURECHEM COMPANY LTD.,** Bangkok

- Four Effect Evaporating Plant, Steam ejector and condenser, Vapor condensing system for thin film evaporator, Vacuum filter bag house with steam ejector and condensing system for crystallizer

**FAZAR GONBAD**

**DAIRY INDUSTRIES CO.,** Iran

- Four effects evaporating plant and Double stage spray drying plant

**M/S CHITWAN DAIRY PVT LTD.,** Nepal

- Composite Milk Processing Plant, Milk chilling unit

**M/S SUJAL FOODS PVT.LTD.,** Nepal

- Bottle Sterilizer, Vacreator, Condenser, Vacuum Pump, Centrifugal Pump, Milk Storage tank, Road milk Tanker

**UNITED NATIONS INDUSTRIAL,**  
Development Organization, Vienna

- Multiple effects Evaporating Plant

**FAMILY CEREALS SDN. BHD,** Malaysia

- Spray Drying plant

**PUNJAB MILK FOOD INC,** Canada

- PHE, Dumptank, pumpcover, balance tank, SS fittings

**ERNSTS FOOD INGREDIENTS**

**SDN. BHD.,** Malaysia

- Three Stage Spray Drying Plant

**M/S SAMEER AGRICULTURAL &  
LIVE STOCK LTD.,** Uganda

- Modification of Drying Plant, Concentrate Preheater, Twin Shaft mixer

**M/S PEARL DAIRY,** Uganda

- Complete milk processing plant with five effects evaporating plant and Three stage spray drying plant

**DAIRY DEVELOPMENT  
CORPORATION,** Nepal

- Equipments required for Milk Processing & Refrigeration Plant

**HOLLANDER FOOD MACHINERY,** Israel • Spray dryer

**FRUTAROM,** Israel

- Spray dryer

**HASSANI BABY FOODS,** Dubai

- Condense Milk Unit

**ERNST FOOD INGREDIENTS SDN.  
BHD.,** Malaysia

- Spray Drying plant

**FAMILY CEREALS SDN. BHD,** Malaysia

- Spray Drying plant

**PUNJAB MILK FOOD INC,** Canada

- PHE, Dumptank, pumpcover, balance tank, SS fittings

**VINK + CO. GMBH,** Germany

- Modification of evaporating plant

## CO-OPERATIVE SECTOR

Kaira district Co-operative Milk producers  
Union Ltd. (AMUL), Anand

- Modification of evaporating and drying plant, Milk Silo, Cream Buffertank, Butter melting system, Whey Storage tank, Whey Cream Storage tank etc.

**RCDF,** Jaipur & Alwar

- Up gradation of evaporating and drying plant, Milk Silo, Cream Storage Tank etc.

**Bihar State Co-op. Milk Producers  
Federation Ltd.,** Patna

- CIP System, Atomizers, Evaporator and Dryer Modification

**DHARWAD MILK UNION,** Dharwad

- Upgradation Of Evaporating & Drying Plant



# CUSTOMER LIST (PARTIAL)

**DESRATNA DR. RAJNDRA PRASAD  
DUGDH UTPADAK SAHKARI  
SANGH LTD.,** Barauni, Bihar

- Modification of evaporator and dryer

**DESRATNA DR. RAJNDRA PRASAD  
DUGDH UTPADAK SAHKARI  
SANGH LTD.,** Manjahaul

- Milk Chilling Centre & Effluent treatment plant

**DISTRICT MILK PRODUCER'S  
CO-OPERATIVE UNION LTD.,** Gumla

- Complete milk processing plant

**MANDIYA DISTRICT CO-OP MILK  
UNION LTD.,** Karnataka

- Modification of Evaporating & Drying Plant

**LUDHIANA DISTT CO-OP.MILK  
PRODUCERS UNION LTD.**

- Modification of powder Plant

**H.P. STATE COOPERATIVE MILK  
PRODUCERS FEDERATION LTD.,** Simla

- Complete milk processing plant with Three effects evaporating plant and Single stage spray drying plant

**PATNA DAIRY PROJECT,** Patna

- Modification of Existing Evaporating & Drying Plant

## PRIVATE SECTOR

**M/s. GLAXO SMITHKLINE CONSUMER  
HEALTH CARE LTD.,** Rajahmundry, A.P.

- Scrapped Surface Evaporating Plant

**M/s. BEST MILK PRODUCTS PVT, LTD.,**  
Barnala Punjab

- Complete milk processing plant (Evaporator & Dryer)

**M/s. B.K.ANAND FOODS PVT.LTD,**  
Murthal

- Complete milk processing plant (Evaporator & Dryer)

**M/s. DODLA DAIRY PVT LTD.** Nellore, A.P

- Complete milk processing plant (Evaporator & Dryer), Milk Concentration Plant

**M/s. HARBANSHLAL FOOD PVT. LTD.**  
Meeruth U.P

- Complete milk processing plant (Evaporator & Dryer)
- Modification of Evaporating & drying Plant

**M/s. A .KUMAR PVT. LTD**

- Complete milk processing plant with Butter oil, Nano filtration plant ,five effects evaporating plant and Single stage spray drying plant

**M/s. PARAM DAIRY LTD.,** New Delhi

- Three effects evaporating Plant

**M/s. MALGANGA DAIRY FARM**  
Ahmednagar

- Falling Film Evaporating Plant & Spray Drying Plant with Sugar Mixing Unit

**M/s. GANGA DAIRY LTD.,** BEGUSARAI

- Five Effects Falling Film Evaporating & Three Stage Drying Plant

**M/s. NILGIRI DAIRY FARMS PVT.LTD.**  
Banglore

- Refrigeration System

**M/s. CADBURY INDIA LIMITED,** Pune

- Scrapped Surface Evaporating plant

**M/s. PURE MILK PRODUCTS LTD.,**  
Ludhiana

- Upgradation of Evaporating & Drying Plant.

**M/s. SIDDHARTH MILK FOODS (I)  
PVT.LTD.,** Goa

- Complete milk processing plant (Evaporator & Dryer)

**M/s. HEINZ INDIA PVT. LTD.** Aligarh

- Supply of Integrated bed dryer, Modification of Spray Drying Plant,

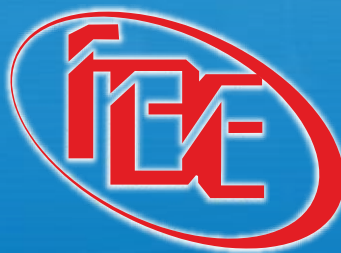
**M/s. STERLING AGRO  
INDUSTRIES LTD.** Malanpur

- Five Effects falling film Evaporating Plant

**M/s. INDIAN POTASH LTD.,** New Delhi

- Complete milk processing plant (Evaporator & Dryer)

# WORLDWIDE



## FOOD & BIOTECH

**ENGINEERS (INDIA) PVT. LTD.**

An ISO 9001:2008, 18001:2007, 14001:2004 Certified Co.

### HEAD OFFICE & WORKS :

Chaprola Road, Prithla, Tehsil & Distt. Palwal, Haryana - 121 102 (INDIA) Ph.+91-1275-262157 / 58, 249400, +91- 9011701022, 9911701019, 9818649735  
Telefax : +91-1275-262259

### GROUP COMPANY:

#### EVAPODRY MANUFACTURING COMPANY

Plot No. 90, Shiv Ganga Indl. Estate, Lakeshwari, Bhagwanpur, Roorkee, Uttrakhand  
Telefax : 01332-235219

#### YUVECH ENGINEERS PVT. LTD.

Plot No. 6, IDC, Gurukul indl. Area, P.O. Amarnagar, Sarai Khwaja, Faridabad, Haryana Telefax :  
+91- 9011701022, 9911701019

**Email:** [info@foodbiotech.co.in](mailto:info@foodbiotech.co.in) / [enquiry@foodbiotech.co.in](mailto:enquiry@foodbiotech.co.in)

**Website:** [www.foodandbiotech.com](http://www.foodandbiotech.com)