



**SHREE GANESH**  
ERECTORS & FABRICATORS PVT. LTD.  
AN ISO 9001:2015 & 18001:2007 CERTIFIED COMPANY

Technical Innovation + Expertise



## ABOUT US

We are dynamic business entity recognized in our field as one of the market leaders. Shree Ganesh Erectors & Fabricators Pvt. Ltd. Since 2004 we have been passionately determined to serve the marketplace with highest commitment. The Company is engaged in the business of providing customized solutions to diverse set of clients across wide range of industries by manufacturing and supplying high quality dairy equipments. While manufacturing these products, we adhere to industry standards and quality norms and give extreme emphasis upon the catering the exact requirements of our valued customers and Industries like Dairy, Ice cream, Food Processing, Agriculture, Fisheries and Cold Chain etc.

We understand need of the customers, who are under increasing economic competitive and regulatory pressures and partner with them to design and deliver the most reliable, efficient and innovative solutions for the process and overall project implementation. We have earned a wide client base across the India. We are dealing with following sectors.

- ▶ Turnkey Project Solution for Milk Processing Plants capacity from 1KLPD to 100 KLPD
- ▶ Ice Plants 1MTPD to 500MTPD for Dairy, Fisheries etc.
- ▶ Cold Storages Solutions for Dairy Industry, Ice Cream Industry, Food Processing Industry, Fruit Ripening Industry
- ▶ Horticulture/Floriculture Industry, Agro Industry, Chemical Processing Industry
- ▶ Industrial Refrigeration Plants.

## OUR INFRASTRUCTURE

At Shree Ganesh Erectors & Fabricators Private Limited, We are equipped with robust infrastructural facilities. The Factory premises have wide area of 20000 Sq.Ft, workshop equipped with fully automated latest generation machines run by highly skilled workforce. Where there are different facilities for production, Quality control, Ware housing, all quality checking operations are done in house.

## QUALITY ASSURANCE

SGEFPL has been certified as an ISO 9001:2015 Quality Management Company and OHSAS 18001:2007 Occupational Health & Safety Management System. We are dedicated to produce high quality end-to-end customized solutions for dairy and other industries and services to divers set of customers across industries. Our commitment is to consistently exceed customer's expectations, quality, on-time delivery and earn trust & respect of our clients.

SGEFPL is committed to the most stringent norms of quality. All manufacturing facilities are well equipped with latest generation production machines. Raw materials are procured directly from the OEM's (Original Equipment Manufacturer's) ensuring quality. For design and fabrication SGEFPL follows international standards like ASME section VIII Division I for pressure vessels, American 3A for food processing machineries. We integrate the finest and most experienced human resources, information technology and process control to deliver the best quality as per the deadlines.



# WE OFFER

We are distinguished Manufacturer and Exporters of the following Range of Products.

- Milk Processing Plants 5000LPD -1000000LPD
- Mini Milk Processing Plant 500LPD-3000LPD
- Ghee Manufacturing Plant
- Paneer Plant
- Flavored Milk Plant
- Butter Churner
- Can Scrubber
- Dump Tank
- Roller Conveyor
- Milk Silos
- Milk Storage Tanks
- Bulk Milk Coolers
- Cream Ripening Tanks
- Milk Powder Reconstitution System
- Batch Pasteurizer
- Khoa Making Machines
- CIP Systems
- Block Ice Plants
- Refrigeration Units
- Condenser Coils
- IBT Cooling Coils
- Surge Drums
- Ammonia Receiver
- Cold Storages
- Packaged Refrigeration Systems

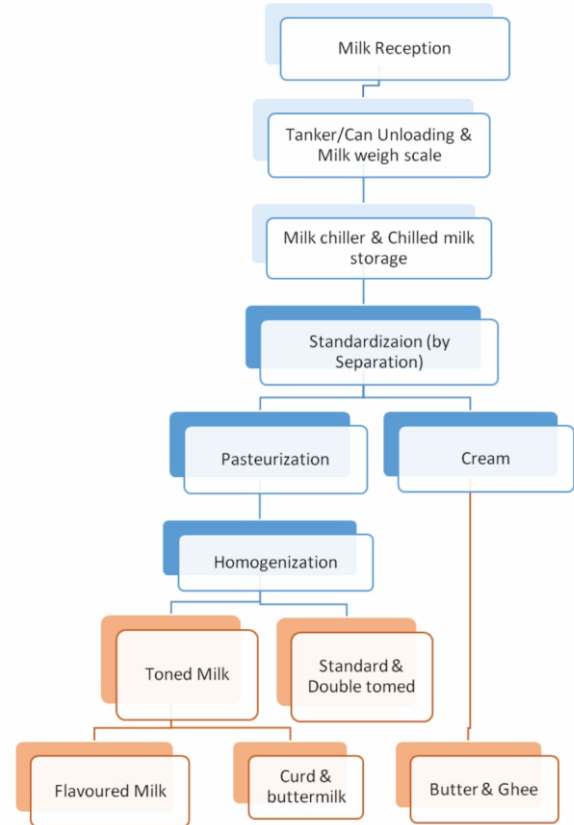




# OUR PRODUCTS

## MILK PROCESSING PLANTS 5 KLPD -100 KLPD

We offer wide range of Complete Process line modules from capacity of 300LPH to 30000LPH. The pasteurization unit is designed for the thermal treatment of milk. The process destroys pathogenic microorganisms by heating the product to a moderately high temperature for a brief period. After processing it will be transferred to different product sections. SGEFPL is a reliable manufacturer of equipment for milk pasteurizing, SGEFPL supplies complete solution of liquid milk pasteurization for raw milk and other products like Cream, Curd Milk. Food-grade materials ensure high quality of final dairy products.





# OUR PRODUCTS

## MINI MILK PROCESSING PLANT

We offer Small capacity Milk Processing Unit for Farm level requirements as well as small scale start up unit range from 200LPH to 500LPH capacity , complete along with HTST milk pasteurizer, Milk Homogenizer, Heating System, Cooling System, Control Panel etc. Its operation shall be fully automatic as well as semi automatic. Heating and cooling system is designed with the efficient and advance technology ensures for low power consumption.



## CIP SYSTEMS

\*SGEFPL CIP System (Cleaning- in- Place ) is designed for automatic cleaning ensuring minimal use of water and time.

CIP System has many benefits to the end user, some of them to mention are:

- Production down time between product runs can be minimized.
- Cleaning cost can be reduced substantially by recycling cleaning solutions.
- Water Consumption is reduced as cleaning cycles are designed to use optimum quantity of water.
- Automated CIP system can provide full data logging for quality assurance requirements.
- Over and above SGEFPL designed CIP system offers our customers the add- on advantage such as :



- |   |  |
|---|--|
| ▶ Space Conserving design                 | ▶ Conductivity Limit Values                  |
| ▶ SKID mounted system (2/3/4 tank System) | ▶ Acid/Caustic Dosing system                 |
| ▶ Flexible Range                          | ▶ Temperature limit Values                   |
| ▶ Varying configuration                   | ▶ Requisite Instrumentation to accord safety |
| ▶ Minimal Maintenance                     | ▶ PLC control system with HMI or SCADA       |
| ▶ Vessel Construction in SS316L           |  |

## SILO TANK FOR RAW/PASTEURIZED MILK STORAGE

Our storage tanks ensure maximum product protection during its storage. SGEFPL offers Silo tanks with standard dimensions and equipment. However, they could be customized upon request – designed in accordance with a particular technical specification. Silo tanks could be produced on legs or support ring.

- ▶ Volume: up to 100m<sup>3</sup> built in the workshop
- ▶ Made of stainless steel AISI 304
- ▶ Surface in contact with the product 2B, welding seams polished with sandpaper.
- ▶ Insulation made of PUF 40kg/cm<sup>2</sup>. Insulation cladding is made of stainless steel and is fully welded. Accurate calculation of exact insulation thickness for Silos stored outside depends on the specific climate conditions.
- ▶ Agitator with precisely calculated speed and construction, without foaming and stratification of milk, and with uniform action in the entire volume
- ▶ Cleaning system with specially selected elements and calculated parameters ensuring impeccable cleaning.
- ▶ Level Instruments with Indicator can be provided on demand.
- ▶ In high temperature environment and depending on the period for milk storage, Silo tanks could be produced with cooling jackets to maintain milk temperature



## PANEER PLANT

We offer Paneer Making plant automated and semi automated also, for manufacturing lines up to 10TPD. It's manufactured with the highest quality stainless steel to maintain the hygienic production of Paneer, We Offer Coagulation tank, Pneumatically Operated Paneer Press, Paneer Cutting Machine and Vacuum Packaging Machine to complete the paneer plant requirement.



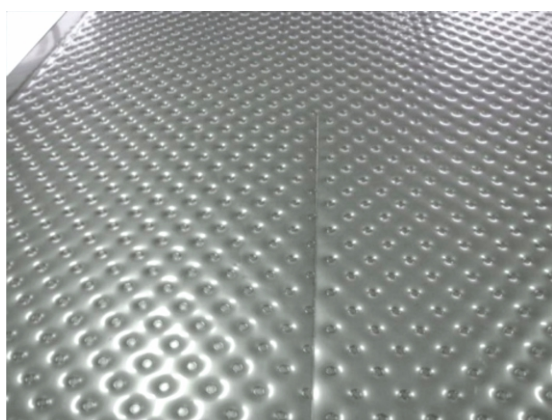


## BULK MILK COOLERS



SGEFPL Milk Cooling Tanks are especially developed and built for the unique requirements on a dairy farm. We offer flexible milk cooling tanks for every need, from small manual open tanks with a volume from 500 litres, via fully-automated horizontal tanks of different sizes, to large vertical silo tanks with volumes up to 10000 litres. Together with our control units and cooling units, the SGEFPL Milk Cooling Tanks offer you a smart and flexible modular solution – adapted to your individual needs. For us it is a matter of course that our milk cooling tanks work with all existing milking systems on the market .

In the direct expansion (DX) type, the refrigerant system directly extracts the heat via evaporator (Dimple Jacket) which is a part of the bottom sides of the cooling tank. The tank is insulated to maintain the temperature and is provided with an agitator for uniform distribution and cooling of milk. Efficient evaporator ensures quick and trouble-free cooling and space-saving installation. A high cooling capacity is guaranteed and freezing is prevented for small amounts of milk. The tank is made of stainless steel completely welded and polished. A smooth slope is also provided in milk tank for drain outlet such a way that total milk will drain perfectly.



### SPECIAL FEATURES

- ▶ Faster cooling owing to direct expansion
- ▶ Robust design
- ▶ Durable tank made of AISI 304 SS
- ▶ Hermetically sealed / scroll compressor
- ▶ Digital temperature controller
- ▶ Occupies minimum space
- ▶ Energy conscious
- ▶ Capacity 500L – 10000L





# OUR PRODUCTS

## DUMP TANK



Rectangular, un-insulated from 300L-2000L capacity single as well as double compartment. The tank would be constructed from SS 304 sheets/coils, with slope towards outlet. The tank will be single compartment, complete with three pieces SS 304 covers with handles. The tank will be on SS 304 pipe legs with ball feet. The bottom outlet will be with a valve.

## FLAVORED MILK PLANT

SGEFPL offers Flavored milk plant along with the following equipments



- ▶ Flavor Mixing Tank
- ▶ Glass Bottle Sterilizer 100Bottles – 1000Bottle per
- ▶ Batch Working steam pressure- 2kg/cm<sup>2</sup>
- ▶ Working temperature- 121 deg.c
- ▶ Testing pressure-4 kg/cm<sup>2</sup>
- ▶ Bottle Filling, Capping and Labeling Machine

## CAN SCRUBBER



Fabricated from S.S. Sheet 2mm Thk. AISI SS Sheet. Suitable for std. milk cans of capacity 40 lit. The /scrubber will have the driving mechanism will have 1 hp , 1440 rpm electric motor, 3 phase , 415 +10 v, AC Supply. etc. The motor will be coupled to reduction gearbox assembly with driving chain sprocket etc. The scrubber will have 2. Nos jumbo rotating brushes, one no side brush and one no. Loose brushes for cleaning the bottom & lids. it will have a overflow connection & proper sealing arrangements with steam inlet connection.



# OUR PRODUCTS

## ROLLER CONVEYOR



Roller conveyor will be fabricated out of Mild Steel C-channel or SS304 Square Box as per requirement & rollers made of 51 mm MS/SS heavy duty pipe provided with brass bush bearings/roller bearings for smooth rolling operation. The frame shall be supported on MS/SS legs fitted with ball feet 50mm.

## MILK STORAGE TANKS



SGEFPL offer wide range of Horizontal Milk Storage tanks Capacity : 1,000 L to 20000L Single and Multiple compartments , Tanks are fabricated from AISI 304 and Outer cladding AISI 304/AISI 202 with 150grit finish , Tank shall have top mounted mechanical agitator to ensure uniform fat distribution without any adverse effect on the contents. Ports and fittings : Inlet/outlet, breather, CIP spray ball, high and low level sensors, level transmitter, temperature sensor, man way, alcove and other standard accessories like light glass, sight glass etc.

## CREAM AGEING TANKS



Type : Dimple jacketed, insulated vertical Tank Material : a) Inner shell - AISI 304 b) Intermediate shell - AISI 304 c) Outer Cladding - AISI 202 Finish : 150 grit Accessories: Inlet/outlet, temperature sensor, manhole, Agitator (top mounted) and other standard accessories.

## MILK POWDER RECONSTITUTION SYSTEM



SGEFPL offer the reconstitution system from 50kg-300kg/hr Horizontal blender is a compact unit, it consists of a centrifugal pump with a venturi system on the suction side and a hopper with a butterfly valve above the venturi to add solid / powder products to the pumped liquid. In this blender, the suction and venturi system are set horizontally, The venturi system and the suction of the pump create a negative pressure at the base of the hopper. When the valve of the hopper opens, the solids are drawn from the hopper and are dissolved in the liquid when they pass through the pump casing.



# OUR PRODUCTS

## BATCH PASTEURIZER



The Pasteurizer is especially designed for small scale processing of food products in a range of 150, 300, 500 and 1000 litres. The pasteurizer forms a stand-alone, complete small processing plant which can be used for the pasteurization and the production of all kinds of products such as milk, cream, yoghurt, fruit, juice, etc. The unique combination of double jacket and closed water circuit results in an efficient energy transfer. In this multifunctional tank the complete process can be automated without interference of the operator. All our batch pasteurizers are made of triple stainless steel walls with insulated jackets. Hot or cold water can circulate through a spray-pipe in the jacket of the vat. The vat pasteurizer can be delivered as a combination pasteurizer / cheese vat / yogurt fermentation vat

## KHOA MAKING MACHINES

We offer both diesel, Gas as well as Steam operated Khoa Making Machines, stationary and tilting type, also we offer manual scrapping steam vessels



- ▶ Capacity : 80 Ltr to 350 Ltr (SS Structure )
- ▶ SS Bottom Plate 16 mm
- ▶ SS Top Plate 5 mm
- ▶ SS Jar 18 SWG (304).
- ▶ SS Side Cover 20 SWG
- ▶ Electric Motor 0.5HP/1HP
- ▶ United Make Gas Burner, Pigtel, NCV.
- ▶ SS Ball Valve outlet
- ▶ Standard Gear Box.

## BLOCK ICE PLANTS



SGEFPL offers Block Ice Plant to food & other industries. The Ice Making & Harvesting section of the plant consists of the Brine Tank, an electrically operated Lifting Device (Crane) running on rails along the sides of the tank, a Thawing Tank, a Tilting Device with an inclined Wooden Table to receive the ice blocks as they slide out of the cans and a Filler. Standard Rectangular 25, 50 & 150 kg Ice Cans fit in the brine tank which is covered with solid Wooden Lids as shown on the picture.





## Feature

Block ice machine can be installed in different conditions, convenient for transportation. Standard Block ice making plants are available in 9 sizes with a capacity range of 3 to 500 tons of ice per 24 hrs. Depending upon size and customer's specifications, Refrigerant: R22, R404A, NH3

## Advantages

- ▶ Block ice feature: selectable sizes, big density and large cold accumulation.
- ▶ Split block ice design: containerized design and assembled convenience.
- ▶ Environmental protection ice moulds: 304 stainless steel/GI material
- ▶ High production ice: weight of every block 50kg/100kg/150kg.
- ▶ Daily ice making capacity: 1TPD-500TPD.

## CONDENSER COILS



Atmospheric type Condenser Fabricated from 50NB MS C Class Heavy Duty Black Pipes with GI sprinkling arrangement Working Pressure 13 – 15 Kg cm<sup>2</sup>, Test Pressure 21 Kg cm<sup>2</sup>, Also we offer these coils with 100 micron Galvanizing to prevent the corrosion from the water also it increases the life of condenser coil.

## IBT COOLING COILS



IBT ASTRA Design IBT Cooling Coils 6 mtr Length or as per tank size and Capacity Fabricated from 32NB MS C-Class Heavy Duty Black Pipes with Proper Header Arrangement at both end, Coils are tested with Hydro Pressure at 25 Kg/Cm<sup>2</sup>, Anti Rust Paint for Coils or Hot dip galvanizing can be done as per requirement.

## SURGE DRUMS /LP VESSEL



We design & manufacture L.P. Vessel packages, being used in refrigeration industries, as per customer's requirement. We do these packages on complete turnkey basis using all accessories like ammonia pumps, level controllers, 'Q'max & 'Q'min flanges, sight glass, valves, safety relief valve, strainers, oil pot etc.



# OUR PRODUCTS

## AMMONIA RECEIVER



We are identified as one of the prominent Ammonia Receiver Manufacturers in India. The Ammonia Receiver offered by us is fabricated using high grade raw materials that assure high strength and durability to the structure. We conduct stringent checking of Ammonia Receiver on the various parameters and testing on 35kg/cm<sup>2</sup> with hydraulic pressure. Our Ammonia Receiver is attached with standard valves, and various other standard fittings material of Construction.

- ▶ Thick steel pipe with welded joints
- ▶ Gauge glass
- ▶ Liquid inlet and outlet valves
- ▶ Safety valve
- ▶ Charging valve
- ▶ Drain valve

## COLD STORAGES



We offer a wide range of Cold Storage solutions up to 10000MT capacity; Solutions are tailored made to suit any industry that requires storage of perishable produce over extended periods. Cold storage solutions enormously useful include the Dairy Industry , agriculture sector including horticulture and floriculture units, manufacturers of fresh produce of any kind, food processing units, pharmaceutical industries, seafood and other similar industries, hospitality sectors, including hotels, restaurants etc.

## CURD MANUFACTURING PLANT



We offer Curd Milk Processing Plant from 500LPH to 5000LPH, Curd is the food produced by culturing milk, partially skimmed milk .To maintain the pH value we offer the incubation chamber along with this plant depend pf the capacity of the unit. pH value represents concentration of lactic acid in curd and lower pH value indicates higher concentration of lactic acid. At the time of adding culture in milk after pasteurization, pH value would be about 6.8 and during fermentation process pH drops up to 3.7 to 4.5 depending upon the operating technological conditions. To attain curd with a pH of 4.0, the cooling process should begin when the fermenting milk reaches a pH of 4.3-4.4.



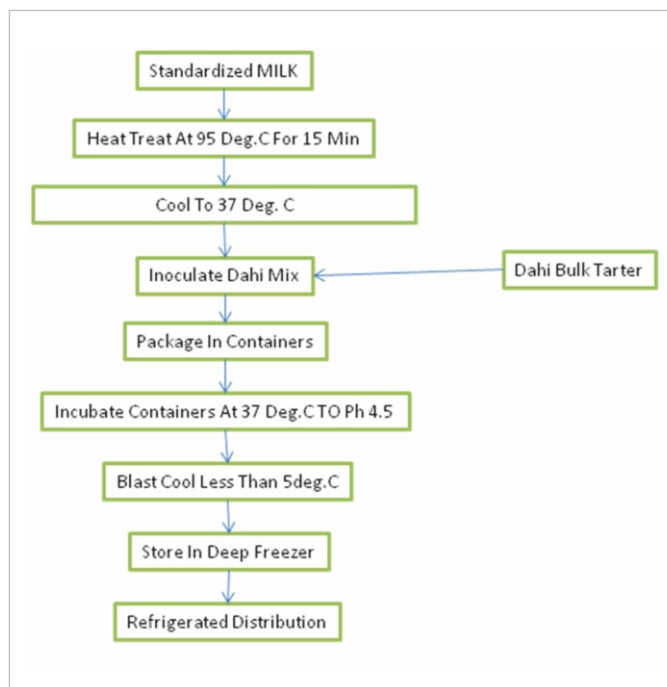
# OUR PRODUCTS

## CURD INCUBATION



- We offer you Incubation room with hot unit which can maintain 42°C with 1°C deviation for our Blast Chiller is useful to chill the culture up to 20°C within 1 hour
- At last, for Stage you can use our regular cold room.

If you will prepare curd according to above procedure, you will get curd with same taste & quality in every season which can maintain its quality for long time and you can prepare delicious Indian Items like Lassi, Raita, Shrikhand, Kari etc



## GHEE AND BUTTER MANUFACTURING PLANT

SGEFPL offers Ghee and Butter Manufacturing Plant up to 10MTPD, Plant consist of following equipment



- Butter Churner
- Butter Melting Vat
- Pre stratification Tanks
- Ghee Boiler
- Ghee Settling Tank
- Ghee Clarifier
- Ghee Storage Tanks
- Ghee Pouch/Tin/Jar Filling Machine





## PACKAGED REFRIGERATION SYSTEMS



We offer wide range of Modular Refrigeration Packaged System Using different types of Compressors I reciprocating, hermetic, sealed, Scroll compressors with different types of gases as per requirement R22,R404a,R407C,R134a,R507A,R717(NH3)

- ▶ Refrigeration and process systems for the Dairy, Chemical, Process Industries
- ▶ Assembly, piping and wiring of all components in a controlled environment.
- ▶ Testing of completed assembly in-house.
- ▶ Painted with epoxy/polyurethane to withstand harsh outdoor conditions.
- ▶ Suitable for hazardous area classification when needed.
- ▶ Designed for easy maintenance access.
- ▶ Heavy-duty refrigeration or process plants with different types of compressors
- ▶ Low-temperature refrigeration plants using cascade or compound pre-assembled units.
- ▶ Open and Closed cycle refrigeration and gas compression systems
- ▶ Water-cooled, evaporative-cooled or air-cooled Custom PLC Panels
- ▶ We design and build PLC panels for centrifugal, Reciprocating and screw compressor systems
- ▶ Custom-designed for the specific project requirements



## OUR CLINTELE

■ Vimal Agro Pvt. Ltd.	Ambajogai	Maharashtra
■ Dunes Milk and Processing Pvt. Ltd.	Bikaner	Rajasthan
■ Saraswati Milk and Agro Product	A.Nagar	Maharashtra
■ Prabhat Dairy Ltd	Shrirampur	Maharashtra
■ Paarth Milk & Milk Products	Piliv	Maharashtra
■ Sule Patil Agro Foods Pvt. Ltd.	Sadashiv Nagar	Maharashtra
■ Santkrupa Milk and Milk Products	Alajapur	Maharashtra
■ Unitech Industries	Islampur	Maharashtra
■ Amba Industries	Kolhapur	Maharashtra
■ Urmi Dairy Enterprises	Vadodara	Gujrat
■ Renukae Milk Dairy and Products	Kinwat	Maharashtra
■ Chanmal Agro Products Pvt. Ltd.	Pimpalner	Maharashtra
■ Pratik Milk and Milk Products	Nevasa	Maharashtra
■ Gurukrupa Milk and Milk Products	Rethare	Maharashtra
■ Nandlal Dairy Farm	Aurangabad	Maharashtra
■ Rokaleshwar Milk	Paranda	Maharashtra
■ Shyamlakshmi Milk Product LLP	Ahmadabad	Gujrat
■ Shiragave Dugdhalaya	Shirguppi	Karnataka
■ BEC Foods Ltd.	Raipur	Chattisgarh
■ Vasantidevi College of Food Technology	Amravati	Maharashtra
■ Vijay Kant Dairy and Food Products Ltd.	Neginhal	Karnataka
■ Menan Piston Rings Pvt. Ltd.	Toap	Maharashtra
■ Yashvant Multistate Co-/operative	Shirala	Maharashtra
■ Deepsheela Industries	Paratwada	Maharashtra
■ Fattesingrao Naik (Appa) Sahakari Dudh Sangh	Shirala	Maharashtra
■ Hutatma Dudh Sangh Ltd.	Walva	Maharashtra
■ Heritage Foods (I) Ltd.	Sangvi	Maharashtra
■ Aurangabad District Co-Op Milk Producers Union Ltd.	Aurangabad	Maharashtra
■ Sonai Dudh Indapur	Tembhurni	Maharashtra
■ Mishra Milk Processing and Products	Chandpur	Odisha
■ Aayush Milk And Milk Products	Nimbalak	Maharashtra



## SERVICE + SUPPORT



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