



Gemtech Projects
LLP

INTEGRATED COCONUT PROCESSING MACHINERY



www.coconutprojects.com
www.foodtechprojects.com

About Us



GEMTECH PROJECTS LLP

GEMTECH is an ISO 9001 Certified Company. It is Government of India recognized export house having food processing machinery running in more than 40 countries worldwide. When it comes to getting high-quality food processing equipment, you can stop your search and talk to our experts. We have put our heart and soul into creating a highly advanced infrastructure, which aids us to create and deliver highly sophisticated and flawless machines. Featuring intelligent design and construction, our machines have brought us a special place in the industry. GEMTECH is also recognized by the Engineering Export Promotion Council under the Ministry of Commerce, Government of INDIA, as a leading exporter of food processing machinery. GEMTECH commands the sizeable share of the export market of Coconut processing machinery from INDIA. GEMTECH has the resources and infrastructure and has undertaken complete turnkey projects for the manufacture of various coconut products. GEMTECH has a huge number of overseas installations to its credit.

WHY US

Prestigious turnkey projects for food processing executed by the company in more than 40 countries successfully worldwide.

Strong background in offering a single window solution for various value chains.

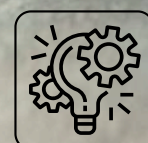
Cost effective affordable solutions provided for the food processing industry.

Supreme production and infrastructure facilities in India.

Very sound technical & engineering team.

Right technology and latest machinery.

Large network of sales & service through our office and authorized representation worldwide.





01 OUR RESOURCES

In a world where technology is advancing rapidly, we have invested in a sophisticated infrastructural set up with latest advancements which promises our clients better and more efficient machines. We are also assisted by experienced engineers who undertake various manufacturing works and ensure to complete them with precision. Our quality is maintained at each stage of product development strictly adhering to industrial norms and practices to ensure each and every product meets international standards of quality.

02 OUR FACILITIES

GEMTECH has two full-fledged manufacturing facilities in INDIA.

100000 ft² integrated manufacturing facility in KOLKATA, INDIA

60000 ft² machine shop 20kms. away from KOLKATA at HOWRAH, the industrial city of WEST BENGAL, INDIA

03 INFRASTRUCTURE

Our manufacturing facilities are equipped with state of the art tools and machines —from VMC, German bending machines, Turret Press Machines, Laser and CNC Gas cutting equipment. All machining is done in-house at the dedicated machining unit in each facility. There are multiple welding stations which are used to achieve precision and high-quality manufacturing and finishing.

04 RESEARCH & DEVELOPMENT

Our R & D team of highly skilled engineers and professionals consistently help us to reach newer milestones.

Our company keeps innovating evolving and designing new state of art machines which help in to meet and exceed the needs of our global client base. The driving force behind our manufacturing and export efforts is our infrastructure. We are equipped with ample space to facilitate a multitude of business operations, processing, packaging, sales and logistics tasks.

BAND DRYER



SUITABLE FOR DESICCATED COCONUT - GRANULES AND CHIPS

SALIENT FEATURES

- **Different heating zones**

Separate Heating Coils in each zone allows the user to set different temperatures in each zone as per the requirement of the product. This allows for better control of the drying process and allows optimization of the output and the drying time. The Heating Coils in the dryers can be made in Single Stage, Double Stage or Triple Stage.

- **Variable Drying Time**

Each Stage has a Variable Frequency Drive which allows the user to set different surface speeds for each stage and adjust the drying time of the product accordingly providing high flexibility and the desired amount of product moisture at the time of discharge. These dryers can be made in Single Stage, Double Stage or Triple Stage.

- **Optimum capacity**

The output capacity of the dryer depends upon the chosen product and the input and output moisture and the residence time. With immense flexibility provided within the dryer, the equipment is designed to provide the optimum output for any given product.

- **Controls and Instrumentations**

A Control Panel to run the machine and to monitor the temperature in each zone is provided. Complete PLC and SCADA systems can also be incorporated minimizing human error.

COMBINATION DRYER



CAPACITY (KGS/HR): 250 KGS/HR, 500 KGS/HR, 750 KGS/HR, 1000 KGS/HR, 1250 KGS/HR, 1500 KGS/HR
SUITABLE FOR DC POWDER, PARINGS, COCONUT CHIPS ETC.

SALIENT FEATURES

- Stainless Steel Grid Plates
- SS Trays in the Top Circuit and Bottom Circuit
- High Temperature Resistant Chains made of Alloy
- Steel with Electronic Overload Protection Feature
- Floor Mounted Central Electrical Control Panel
- Insulated Centrifugal Hot Air Fan
- Double-wall Insulated Chamber
- Digital Thermometers
- Variable Speed Drives
- Full-width Feed Conveyor

TECHNICAL FEATURES

UNIT	4M	5M	6M	7M	8M	10M	12M
DRYING CHAMBER	96	120	144	168	192	240	288
(SQ.FT)	(16X6)	(20X6)	(24X6)	(28X6)	(32X6)	(40X6)	(48X6)
INLET TEMPERATURE	85-100	85-100	85-100	85-100	85-100	85-100	85-100
(DEG. C)							
OUTPUT (PER HOUR)	VARYING DEPENDS ON THE PRODUCT AND INPUT MOISTURE CONTENT						

SPRAY DRYER FOR COCONUT MILK POWDER



SALIENT FEATURES

- The droplets are small, giving a large surface area for heat and mass transfer so that evaporation is very rapid.
- It can be used for drying heat sensitive or oxidized materials without degradation.
- It can be designed for drying under sterile conditions.
- The dried powder will have a uniform particle size and shape.
- Because of good flow properties, the spray-dried powder can be easily compressed into the form of tablets.
- It is useful in the coating and encapsulation of both solids and liquids.
- Labor cost is low since the material is dried in a single operation with no handling.

COCONUT UNLOADING SECTION



COCONUT DE-HUSKING



NUTS STORAGE BIN



UNLOADING CONVEYOR



NUTS COUNTER



DE-SHELLING BIN



PARING MACHINE



DE-SHELLING MACHINE



DE-SHELLING MACHINE

COCONUT WET SECTION



DISTRIBUTING CONVEYOR



KERNEL CARRYING CONVEYOR



COCONUT KERNEL SLICER



**SCREW CONVEYOR WITH
WASHING ARRANGEMENT**



COCONUT BUBBLE WASHER



STORAGE TANK (MEAT TANK)



POWER GRINDER



BLANCHER



COOLER & GRADER



MESH BELT COOLER



**NOVATEX (HIGH CAPACITY)
SORTING MACHINE**



**VIBROSCREEN
GRADING MACHINE**

COCONUT WATER PROCESSING



**COCONUT WATER
DRILLING MACHINE**



**COCONUT WATER
EXTRACTION CONVEYOR**



COCONUT DRILLING UNIT



STORAGE TANKS



BAG FILTER



PASTEURIZER



CHILLER TANKS



EVAPORATOR



**CENTRIFUGE
SEPARATOR**



**CHILLING PHE FOR
COCONUT WATER**



ASEPTIC WATER PLANT



RETORT

MACHINERY FOR MANUFACTURING VIRGIN COCONUT OIL & PARING OIL



VCO OIL EXPELLER HIGH CAPACITY



PARING OIL EXPELLER



HAMMER MILL



COCONUT FLOUR GRINDING MACHINE

FILTERS FOR HIGH QUALITY COCONUT OIL



SPARKLER FILTER
(POLISH FILTER)



FILTER PRESS WITH
FOOD GRADE PP PLATES



CENTRIFUGE FOR
VIRGIN COCONUT OIL



VACUUM DRYER

COCONUT MILK MACHINERY



MILK EXPELLER



VERTICAL STORAGE TANKS



HORIZONTAL MILK STORAGE TANK



TUBULAR FILTER



TANK WITH AGITATOR



HOMOGENIZER



PASTEURIZER



ICE BANK TANK (IBT)



CENTRIFUGE FOR CREAM

PACKING SECTION



AUTOMATIC BATCH WEIGHER



BAG FLATTENER



METAL DETECTOR



**GRAVITY FEED METAL DETECTION
SYSTEM FOR DRY POWDER**



SEWING MACHINE



WEIGHING MACHINE

CLIENT



Brazil

- COPRA INDUSTRIA ALIMENTICIA LTDA.



Chile

- ATACAMA BIO NATURAL PRODUCTS S.A.



Ethiopia

- FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS



Fiji

- WAINIYAKU ESTATE



Germany

- MAVEG INDUSTRIE AUSRUESTUNGEN GMBH



Ghana

- TRUE COCO
- AGRICULTURAL, INDUSTRIAL & COMMERCIAL PRODDUCTS LIMITED.



Guyana

- PRECISION GLOBAL INC.



India

- KLF NIRMAL (TAMIL NADU)
- NATURAL REMEDIES (KARNATAKA)
- COBANA FOODS PVT. LTD. (MAHARASHTRA)
- THE KERALA KERAKARSHAKASAHAKARNA FEDERATION LTD.
- HOLISTATRANZWORLD LTD (TAMIL NADU)
- VIZAG COCONUT (ANDHRA PRADESH)
- PANACRITI EXTRACTS AND NUTRACEUTICALS PVT.LTD
- SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY, SURAT (GOVERNMENT OF INDIA)
- NATIONAL INSTITUTE OF FOOD TECHNOLOGY (GOVERNMENT OF INDIA)
- ANIMAL & FISH RESOURCES DEPARTMENT (GOVERNMENT OF INDIA)
- NATIONAL THERMAL POWER CORPORATION (NTPC)
- SUNDARBAN CO-OPERATIVE MILK & LIVESTOCK PRODUCERS' UNION LTD. (CO-OPERATIVE OF GOVT. OF WEST BENGAL)
- INDIAN RAILWAYS



Indonesia

- MAYORA GROUP
- INDOFOOD (PT. SALIM)
- PT. SASA INTI
- SUNGAI BUDI GROUP
- PT. BIONESIA
- PT. TRI JAYATANGGUH
- PT. ROYAL COCONUT
- PT. KALIMANTAN KELAPA JAYA
- PT. CBA CHEMICAL INDUSTRY
- PT. ASA COCO
- PT. PACIFIC EASTERN COCONUT UTAMA
- PT. SETIA TRIJUJUR BERSAMA
- PT. HARVARD COCOPRO



Indonesia

- PT. SEUNAGAN COCO LESTARI
- PT. PULAU SERIBU
- PT. TRIMUSTIKA COCOMINAESA
- PT. PRIMA COCO INDONUSA
- PT. BINANGA UTAMA
- UD. INTI JAYA
- PT. UNICOCO(AGRIM)
- PT. SEJAHTERA
- PT. SUMATERABARU
- PT. PELITA
- PT. SEJATI
- PT. INDO COCO PRIMA LESTARI
- PT. COCO MURNI PRIMAJAYA
- PT. AGRO INDO SURYA ABADI
- PT. SASL AND SONS INDONESIA
- PT. SARASWATI COCONUT PRODUCT
- PT. CENTRAL COCONUT
- PT. INDO GEMILANG COCONUT
- PT. KELAPA HIJAU BINA LESTARI
- AND MANY MORE



Ivory Coast, West Africa

- SOCIETE DE COCO RAPE IN COTE D'IVOIRE SOCORAPCI-SARL



Jamaica

- BABYLOVE'S C-G FOODS



Mexico

- DERIVADOS E INDUSTRIALIZADOS DE COCO LAS PALMAS DE TECOMAN
- S. DE PR DE RL TENEXPA
- PRODUCTORA KALPA DE
- S. DE R.L. DE C.V



Malaysia

- M & S FOOD INDUSTRIES SON BHD
- Niu Plant Sdn Bhd



Mozambique

- DIAMANTE COCO LDA
- CREDE OILS



Nigeria

- NATURES BOUNTRY HEALTH PRODUCTS



Philippines

- FRANKLIN BAKER PLC
- PRIMEX COCO PRODUCTS
- CELEBES COCONUTCORPORATION
- SUPERSTAR COCONUTPRODUCTS CO., INC.
- S C GLOBAL FOOD PRODUCTS
- CENTURY AGRICULTURE CORPORATION
- FRESH FRUIT INGREDIENTS INC
- HACIENDA MACALAUNINC.

CLIENT



Sao Tome And Principe

- VALUDO LIMITADA



Singapore

- HENG GUAN FOOD INDUSTRIAL PTE LTD



Sri Lanka

- SILVERMILLS
- SANMIK FOODS PVT. LTD.
- NMK MARINA
- METSHU EXPORTS
- DESICO LANKA
- BATTULUOYA MILLS
- BOGAMUWA DC MILLS
- NADUNGAMUWA MILLS
- NATTANDIYA CPCS LTD.
- MAWATHAGAMA DC MILLS
- JAYAKODY DC MILLS PVT. LTD.
- BALUMMAHARA DC MILLS
- ST. CHRISTOPHER DC MILLS
- MAVIKSEL INTERNATIONAL COMPANY PVT. LTD.
- ST. VALANTINE DC FACTORY
- ST. THERESA DC MILLS PVT. LTD.
- VSS PRODUCTS
- ST JOSEPH DC MANUFACTURER PVT. LTD.
- RMP COCONUT PRODUCTS PVT. LTD.
- AD LANKA OIL MILLS,
- RATHKARAWWA D/C AND OIL MILLS,
- MADAMPE MILLS PVT. LTD.,
- INGRAIN PVT. LTD.,
- WAYAMBA OIL PRODUCERS PVT. LTD.,
- CBS LTD.,
- ASIAN AGRO,
- CONSOLIDATED BUSINESS LIMITED
- AND MANY MORE



Thailand

- C & APRODUCTS CO. LTD.
- MERIT FOOD PRODUCTS CO. LTD.



USA

- R & D EQUIPMENT COMPANY INC. TEXAS, USA
- PRIMAL ESSENCE, USA



Vietnam

- BENTRE IMPORT EXPORT JOINT STOCK CORPORATION (BETRIMEX)
- TRABAC CORPORATION
- HUNGPHUCO. LTD
- ASIA COCONUT PROCESSING JOINT STOCK COMPANY
- THABICO TIEN GIANG FOOD INDUSTRY JOINT STOCK Co.
- THUAN PHONG AGRICULTURAL PRODUCTS PROCESSING CO.LTD
- THE GREEN COCONUT FOODS COMPANY LIMITED.
- PHU TAN JOINT STOCK CO.
- DUTCH GREEN AGRO
- BENTRE COCONUT INVESTMENT JOINT STOCK COMPANY (BIENCO)

AND MANY MORE.....



GEMTECH PROJECTS

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SCAN TO KNOW MORE