



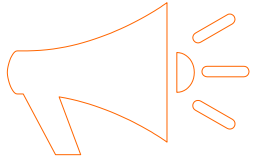
SRI VD ENGINEERS

Pioneers in drying and separation process



www.vdengineers.in

Ver. 04 - 09/2022



Introduction



SRI VD Engineers one of the fastest growing **manufacturing Company** based in **Chennai** with a turnover of over **4 Cr.**, and 12 years of business endeavors.



SRI VD Engineers is the brainchild of a team of Three Mechanical Engineers turned entrepreneurs who envisaged a dream to establish our company to cater the needs of all Industries and **design & manufacturing experience of 22 Years**



Range of **Rotary Dryer, Multi Layer Mesh Belt Dryer, Flash Dryer, Heat exchangers Centrifuge Extractor & Food Processing Equipments Storage Tank** and **more**. Since our inception in the year **2010**, as **Partnership** firm we have been sprouting with the in-house Technology engineered to deliver high quality products and services to meet the diverse needs of our clients.

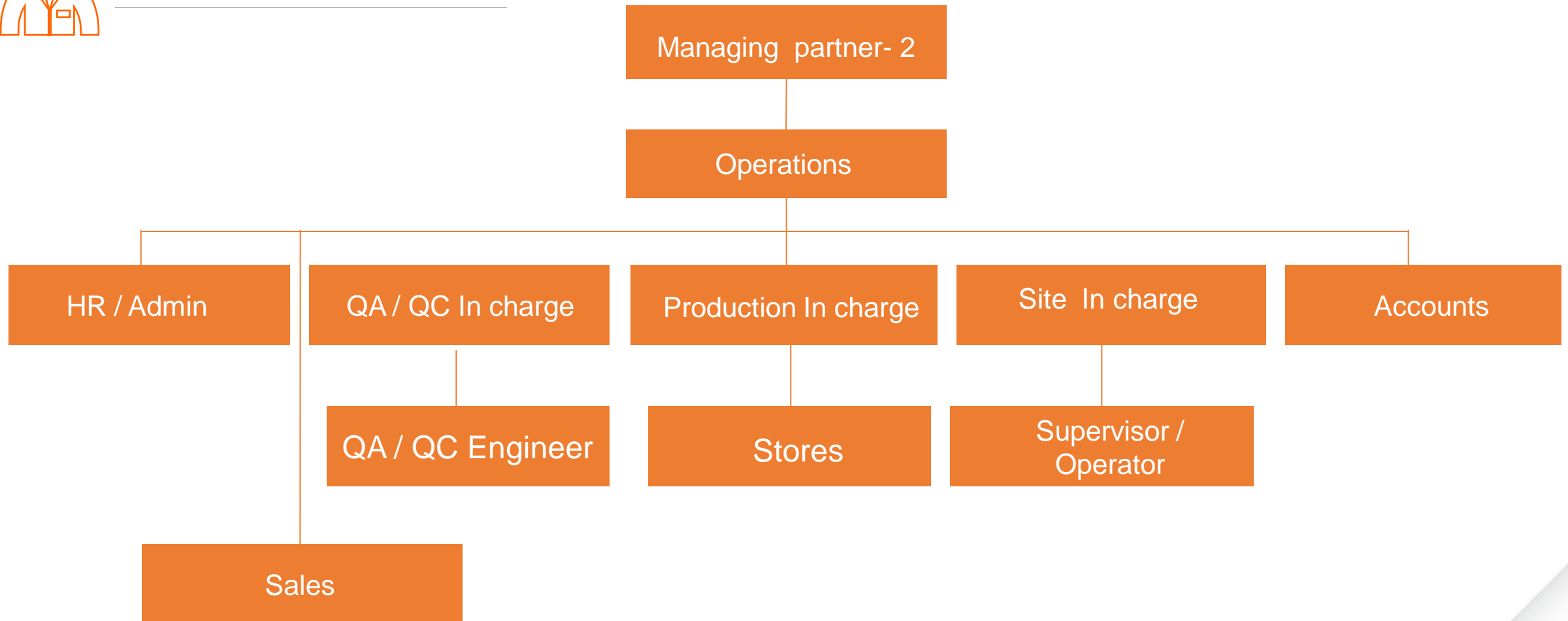


Vision: Establish a world class facility with systems in place to make range of products and processes and cater to world class customers.





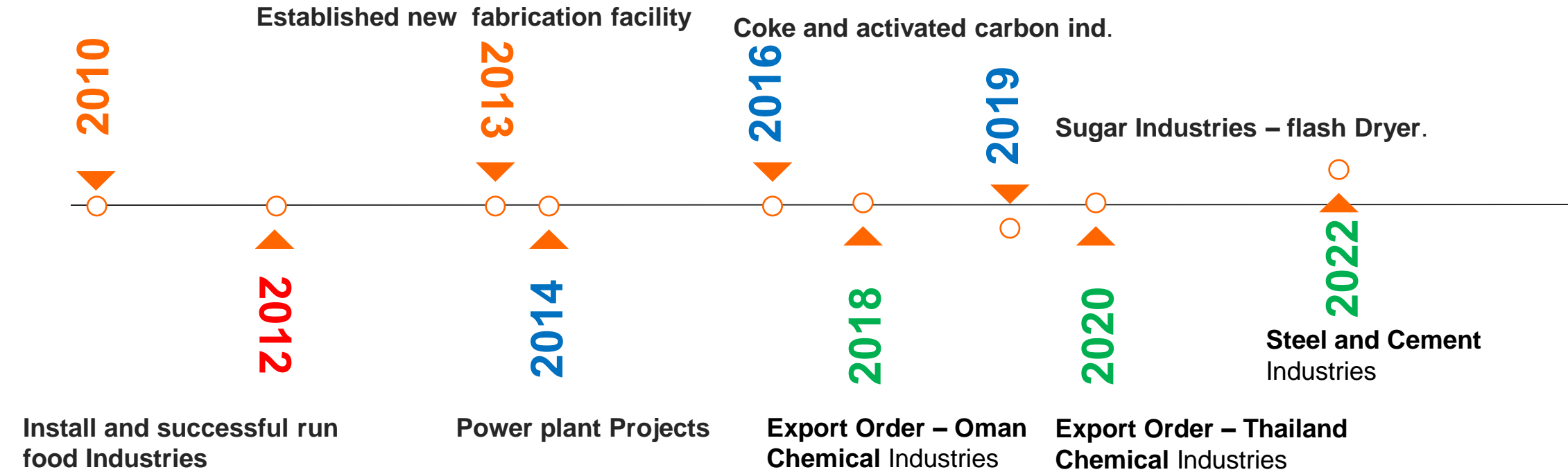
Organization Chart

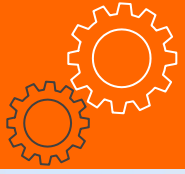




Milestones

Two layer dryer design



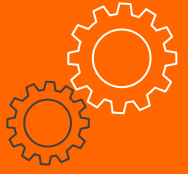


Infrastructure

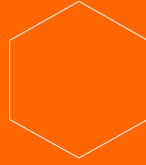


- ▶ Office & Fabrication workshop is housed in a serene atmosphere covering more than 27,000 Sq.Ft in Sidco Industrial Estate Thirumullaivayal in Chennai.
- ▶ We Have **Product Testing Facility** – **Rotary Dryer, Flash Dryer ,Tunnel type dryer and solar Dryer** .
- ▶ Arc ,MIG and TIG welding & Radial Drilling Plasma Cutting shop is equipped with necessary equipment to carry out quality welding in accordance to Indian Standard .
- ▶ Spot welding machines , MIG , SMAW & GTAW welding machines and Radial Drilling and plasma cutting .
- ▶ We have equipped inbuilt infrastructure facility in fabricating both MS and SS Components
- ▶ Our manufacturing infrastructure is unparalleled. In addition to this, we are strongly supported by our wide and trusted network of sub-contract partners





Infrastructure



- ▶ ASNT Level II qualified NDE inspectors (LT, MT, RT, UT)
- ▶ AWS Certified Welding Inspector
- ▶ API 510 Certified Pressure Vessel Inspector
- ▶ Each and every aspect of product safety is carefully detailed and accounted for in our design. All relevant standards and directives (like ASME, ASTM, BS, EN, DIN, ISO, JS, IS) are strictly adhered to when designing our products.





Products & Industries

Chemical Industries

Food Industries

Mineral Industries

Bio Mass Industries

Activated Carbon Industries

Cement Industries

Sugar Industries

Coal Industries

Organic Fertilizer Industries

- ▶ **Mesh / Chain Belt - Multi Layer Dryers**
- ▶ **Industrial Flash Dryer**
- ▶ **Industrial Rotary Dryers**
- ▶ **Tunnel Dryers**
- ▶ **Chain Conveyor Dryer**
- ▶ **Sand Roaster**
- ▶ **Hot Gas Generator/ Hot Air Generator & Heat Exchanger**
- ▶ **Dust Collecting System & Wet Scrubber**
- ▶ **Food Processing Machineries**
- ▶ **Strainers/ Filters, Industrial Chimney**
- ▶ **Storage Tanks & Material Handling System**





Continues Multi Layer Dryer

Continues Belt Dryer

Belt dryer is a kind of common continuous dried machine. It is widely utilized in food dehydration plant. Especially it is suitable for drying sliced or cut vegetables and fruits.

Special Features

- ▶ Suitable for granular, fibrous wet materials
- ▶ Uniform drying/ Gentle drying
- ▶ Low power demand
- ▶ Continuous operation
- ▶ Automatic belt Alignment



Sago Dryer



Cotton - Dryer





Multi-Layer Mesh Belt Dryer



Three Sago Dryer

Drying machine is the cost-effective, and gets favorite responds from the buyers. Adjustable temperature makes Belt dryer have the capacity to dry more raw materials. After drying processing, the water content can reach to 10% or less. But the quality of raw material isn't damaged.

Advantage

- ▶ Fully automatic control system
- ▶ Customer specific operations
- ▶ compact design and less occupied area
- ▶ reduce power consumption.
- ▶ working processes are under the closed environment.





Continues Multi Layer Dryer

Technical Specification

Capacity	Range from 0.1 TPH TO 5000 TPH
MOC	MS, SS & Carbon Steel
Heat Source	Steam, LDO, Bio Mass, Electricity Hot Gas/ Air & LPG
Mode of Operation	Continuous
Belt MOC	PP, SS, MS & GI
Size	3M TO 30M Length max

Configurations:

1. Multi Layer
2. PP Belt and Metal Belts like SS MS & GI

Industries

- ▶ Starch Industries
- ▶ Food Industries
- ▶ Coke Briquette Industries
- ▶ Animal feeds & Sea Food Waste
- ▶ Cotton Textile





Rotary Dryer



The rotary dryer is a type of industrial dryer employed to reduce or minimize the liquid moisture content of the material it is handling by bringing it into direct contact with a heated gas.

Advantage

- ▶ Fully automatic control system
- ▶ Customer specific operations
- ▶ Efficient drying of materials with high moisture contents
- ▶ Design permits highest possible drying temperatures.
- ▶ High thermal efficiency



Activated Carbon Dryer



Rotary Dryer

Technical Specification

Capacity	Range from 0.1 TPH TO 50000 TPH
MOC	MS, SS & Carbon Steel
Heat Source	Steam, LDO, Bio Mass, Electricity Hot Gas/ Air & LPG
Mode of Operation	Continuous
Capacity	Range from 0.1 TPH to 50000 TPH
Size	Range From Diameter -0.6M to 3.5 M

Two Basic Configurations:

- 1.Co-current (also referred to as parallel flow)
- 2.Counter-current (also referred to as counter flow)

Industries

- ▶ Starch Pulp
- ▶ Minerals & Fertilizers
- ▶ Sugar & Cement
- ▶ Chemicals & Carbon Industries
- ▶ Coal/coke & Clays, phosphates
- ▶ Animal feeds & Sea Food Waste
- ▶ Bio waste , Max Sticks





Flash Dryer



Starch Dryer



Barium Chloride Dryer



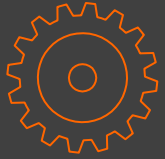
Calcium Phosphate Dryer

Flash dryers offer an effective method of removing surface or unbound moisture from a feed product. The technology behind flash drying employs a low residence time within the actual dryer thus, the unbound moisture is "flashed" off the feed. Wet particulate material is entrained in hot gas or steam flowing through an insulated duct. Flash dryers are essentially pneumatic dryers.

Advantage

- ▶ Produces free flowing powders or granulated form.
- ▶ High energy utilization efficiencies
- ▶ Continuous processing with short drying time
- ▶ Low operator costs
- ▶ minimum maintenance costs





Flash Dryer

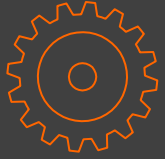
Industries

- ▶ Starch
- ▶ Agro Chemicals.
- ▶ Ceramics.
- ▶ Food and feed products.
- ▶ Organic chemicals.
- ▶ Pharmaceuticals.
- ▶ Pigments and dyestuffs.
- ▶ Bio Waste products

Technical Specification

Capacity	Range from 0.1 TPH TO 5000 TPH
MOC	MS, SS & Carbon Steel
Heat Source	Steam, LDO, Bio Mass, Electricity Hot Gas/ Air & LPG
Mode of Operation	Continuous
Type	Vertical and horizontal and vertical
Temperature	120 to 160 Degree





Continuous Tunnel Dryer



Tunnel dryer is a direct continuous type of dryer. It is a largest scale dryer. In this dryer, **the materials to be dried are sent to the air heated tunnel for drying purpose.** The material is entered at one end and the dried material is collected at the other end of the tunnel.

Application

- ▶ Food Products
- ▶ Plastics caps
- ▶ Pharmaceutical tablets & powders
- ▶ Sterilization of containers and packaging materials.





Tunnel Dryer

Technical Specification

Capacity	Range from 0.1 TPH TO 2000 TPH
MOC	MS, SS & Carbon Steel
Heat Source	Steam, LDO, Bio Mass, Electricity Hot Gas/ Air & LPG
Mode of Operation	Continuous

Industries

- ▶ Starch Pulp
- ▶ Minerals & Fertilizers
- ▶ Sugar & Cement
- ▶ Chemicals & Carbon Industries
- ▶ Coal/coke & Clays, phosphates
- ▶ Animal feeds & Sea Food Waste
- ▶ Bio waste , Max Sticks





Continuous Chain Dryer



Continuous Chain Dryer which is used to dry the wet snacks item for further processing. We offer Continuous Chain Dryer for Soya Nuggets, Soya Badi Vermicelli, Snacks, Papad, and other foods

Technical Specification

Capacity	Range from 0.1 TPH TO 50000 TPH
MOC	MS, SS & Carbon Steel
Heat Source	Steam, LDO, Bio Mass, Electricity Hot Gas/ Air & LPG
Mode of Operation	Continuous
Size	Range From -0.6M to 3.5 MX 25 M Length





Storage Tank



SS Storage Tank – 30 KL



MS Storage Tank- 20 KL

Chemical Storage Tank - capacity - 50 kl



SS Storage Tank -50 KL



Storage Tank- 10 KL





Conveyors



Conveyors



MESH BELT CONVEYOR WITH SPREADER



Rubber Belt Conveyor





Heat Exchanger



Electrical Radiator



Capacity : 10 KWH TO 400 KWH





Hot Air/ Gas Generator

Wood Fired HAG



Capacity – 2 L Kcal to 50 L Kcal / Hr

Thermic Fluid Heater



DUAL-FIRING-DIESEL-BURNER-AND-STEAM-HAG



Diesel Burner with HAG





Our Range of Machineries

BIO-WASTE- DRYER



Capacity : 0.5 TPH to 5 TPH

Solar Dryer



Microwave Dryer



Sand Roaster





Our Range of Machineries

Dust Collector



Starch Extractor



Industrial Filters



Cyclone Separator with Dust Collector



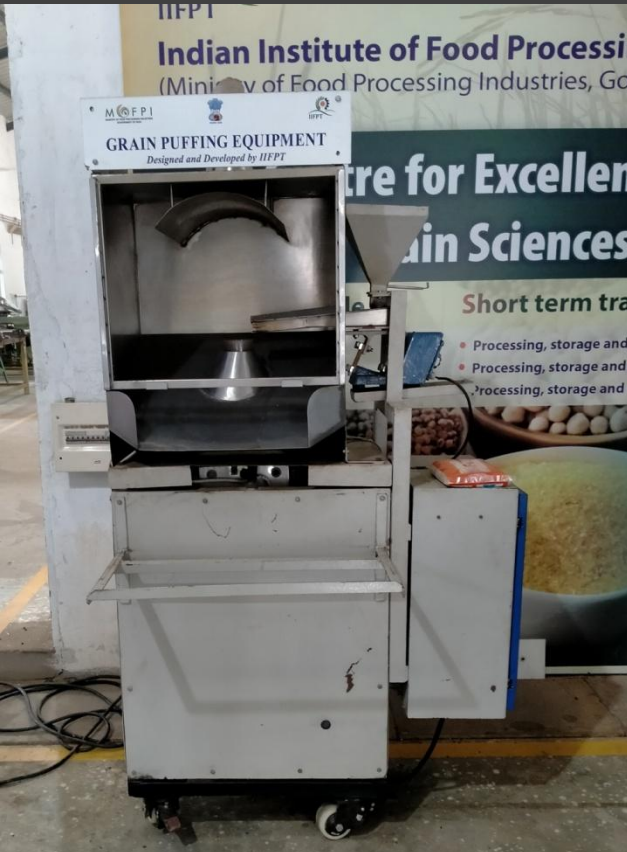
Wet Scrubber





Food Processing Machineries

Puffing Equipment



Mobile Food Processing

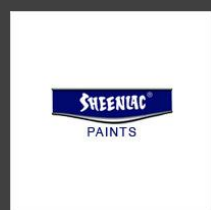


Integrated Onion Processing Unit



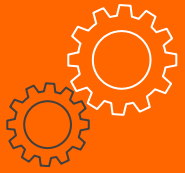


Our Customers



- ▶ **TATA STEELS-** Orissa - 5T /Hr
Coke Rotary Dryer
- ▶ **BUILDmATE PROJECTS P LTD-HYDERADABAD,**
15 LAKH HOT GAS GENERATOR
- ▶ **PARRY SUGAR REFINERY PVT LT- KAKINADA**
1 T /HR - FLASH DRYER - DRYING CALCIUM
PHOSPHATE
- ▶ **GULF POTASH CORP-** MUSCAT,OMAN
15 T/Hr ROTARY DRYER - DRYING POTASSIUM
CHLORIDE
- ▶ **TYKHE CHEMICALS PVT LTD- RANIPET,**
500 KG/Hr- FLASH DRYER - DRYING BARIUM
CHLORIDE
- ▶ **PROMANN INFRASTRUCTURES PVT LTD- BANGALORE**
30 T/Hr- ROTARY DRYER - DRYING SAND.
WITH CAOL FIRED HOT GAS GENERATOR - 1SET
- ▶ **M/s. TERA ENTERPRISES CO - BANGKOK THAILAND**
1 T/Hr ROTARY DRYER - FOR DRYING COCO PITH
WITH ELECTRICAL HEATER - 3NO
- ▶ **SREE RAYALASEEMA HI- STRENGTH HYPO -LTDm**
,ANDHRA PRADESH
8 Nos AIR PREHEATER EXCHANGER





Our Customers



- ▶ **TATA STEELS-** Orissa – 10 K L , 7 KL
OIL STORAGE TANK
- ▶ **LAKSHMI ENTERPRISES - TN**
8 LAKH KILO CAL/Hr. HOT AIR GENERATOR
- ▶ **CERA CHEM– TN**
5 T/Hr SAND ROTARY DRYER & 8 LAKH KILO CALORIE /
Hr. HOT AIR GENERATOR.
- ▶ **SRI VENKATCHALAPATHI SAGO FACTORY**
1.5 T/Hr 2 LAYER SAGO BELT DRYER & 8 LAKH KILO
CALORIE / Hr. HOT AIR GENERATOR
- ▶ **SAINT GOBIN CHENNAI**
5 T/Hr ROTARY DRYER - DRYING SAND & 8 LAKH KILO
CALORIE / Hr. HOT AIR GENERATOR
- ▶ **UNIVERSAL INDUSTRIES ERNAKULAM**
25 KL CAPACITY - 2 NO
VERTICAL STORAGE TANK -SS304
- ▶ **COROMANDAL MET COKE INDUSTRIES**
VISHAKAPATTINAM 5 T/Hr 3 LAYER CHAIN BELT DRYER -
DRYING COKE
- ▶ **KAJAH ACTIVATED CARBON MADURAI**
500 KG/Hr ROTARY DRYER -DRYING ACTIVATED CARBON





Contact Us

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