

# SUONY FIBRE GLASS (I) PVT. LTD.



# Director's Message



**Manoj K. Jain**

Suony Fibre Glass Pvt. Ltd. was set up with a vision to design and manufacture engineering equipment with an uncompromising attitude towards quality. It's our mission to build long term relations with our clients and provide unprecedented customer services by pursuing business through innovation and technological advancements. It is this undying commitment that has enabled our team to cater to a growing list of clients throughout the country. I take this opportunity to thank our customers all over the country and overseas.



## Vision

To provide world class quality services that surpasses the expectations of our valued customers



## Mission

To build long term relationships with our customers and clients and provide unprecedented customer services by pursuing business through innovation and technological advancements



## Values

We grow through creativity, invention and innovation. We integrate honesty, integrity and business ethics into all aspects of our business functioning. "Customer is king" is our ideal principle.



## A Unique Gateway To All Your Industrial Requirements

Cooling  
Towers

Acid Storage  
Tanks

Pressure  
Sand Filters  
&  
Air  
Receivers

Scrubbers  
&  
Fume  
Exhaust  
Systems

Heat  
Exchangers

Pipes  
&  
Fittings

Pickling  
Tanks  
&  
Pickling  
Plants

ETP/STP  
Plants

**We at Suony Fibre Glass also provide *Turnkey Basis Solutions***

# Cooling Tower & Its Accessories



## Types of Cooling Towers we Manufacture:

*MOC: Pultruded FRP / FRP / RCC*

### Induced Cross Flow



*In cross flow cooling towers the angle of interaction of gravitated water and induced air, guided via set of louvers is 90°. Right angled intersection of water and air makes this tower energy efficient.*

### Induced Counter Flow



*In counter flow cooling towers the angle of interaction of gravitated water and induced air is 180° and it is only reason for their effectiveness and better performance in even adverse conditions.*

### Natural Draft



*In the natural draft cooling tower, the necessary air mass flow is caused by buoyancy. Compared with the mechanical draft system, the advantage is that the natural draft cooling tower does not demand power for the fans.*

# Cooling Tower & Its Accessories



## Types of Cooling Towers we Manufacture:

*MOC: Pultruded FRP / FRP / RCC*

### Dry



*Dry cooling towers is a great choice when it comes to **reducing the water consumption**. It's used where the required cooled water temperature is relatively on a higher side. They are mainly used for furnace operation.*

### Hybrid / Closed Circuit



*Hybrid /closed circuit cooling towers works on **principle of dry cooling tower and wet cooling tower together**. This system is used when water is available, but not in sufficient quantity and temperature required is relatively low.*

### RCC



*RCC (Reinforced Cement Concrete) is a composite of steel and concrete, **capable of resisting compressive, bending and shear forces**. It can withstand high wind loads. Can be constructed both in cross and counter flow design.*

# Cooling Tower & Its Accessories



## Accessories Manufactured:



**Power Saving FRP  
Epoxy Fan**



**PVC Fills**



**Drift Eliminators**



**Spray System**



**Fan Stack**

# SS Splash Bar Cooling Tower!



We at Suony Fibre Glass have indigenously developed a ***maintenance free*** cooling tower inspired by the cumbersome maintenance process of conventional PVC fills cooling tower.

## Features of SS Splash bar CT over conventional PVC Fills CT:

- **No replacement** of fills required
- **Easy maintenance** and can be done by user's maintenance team
- COC is **significantly higher (9 to 10)** as compared to PVC fills CT COC (5 to 6)
- Chemical dosing needed to be done at **lower frequency**
- Maximum operating temperature can be extended **upto 100°C**
- Shut down time is maximum **4 to 5 hours** as maintenance is easy
- Works even with untreated water **without drop in performance**

# Acid Storage Tanks



Tanks manufactured with variety of MOC:

**FRP / PP-FRP**



**SS / MS / MSRL**



**HDPE**







## Extrusion Fusion Welding

**Extrusion Fusion Welding** with **Swiss made** guns are incorporated for fabrication of tanks, instead of conventional Hot Gas Welding which enhances both **strength & life** of the Tanks. The technology is being used for the first time in India, at Suony Fibre and has shown **zero failure**. The tanks welded by this technology stand at par with **German Standard DVS 2207-1**.



## Filament Winding Machine

Manufacturing of FRP tanks with **Filament Winding M/C** instead of Hand Lapping process used by other manufacturers. This process offer **mass and thickness uniformity** across the tanks and vessels, hence better quality at par with **BS 4994-1987**.



# Pressure Sand Filters & Air Receivers



*MOC: FRP / MS-FRP / MSRL / MSEP / SS*

We have manufactured the vessels for some of the most critical application upto **20kg/cm<sup>2</sup>** where the designed pressure inside the tank are as high as **30 kg/cm<sup>2</sup>** and supplied to blue chip companies.

Pressure Sand Filter



Air Receivers



# Scrubber & Fume Exhaust System



*MOC: FRP / PP FRP / SS / MS*

Suony Fibre Glass brings **rich experience** in chemical **process design experience and expertise** to the design, fabrication, and installation of our Scrubber & Fume Exhaust System. Our company provides complete professional solutions that can control and treat our client's fume and exhaust problems.



# Heat Exchanger

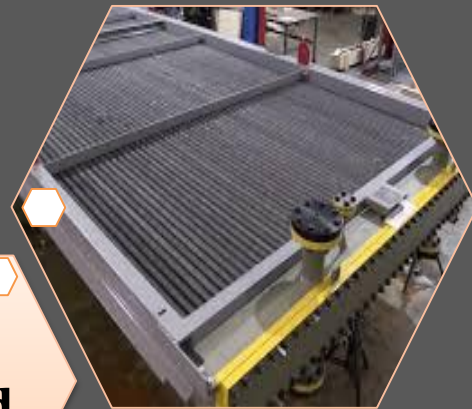


Suony Fibre Glass is prominently into manufacturing of *Shell & Tube and Air Cooled/Finned Tube Heat Exchangers:*

*MOC: MS / SS / CS / Titanium / Copper*

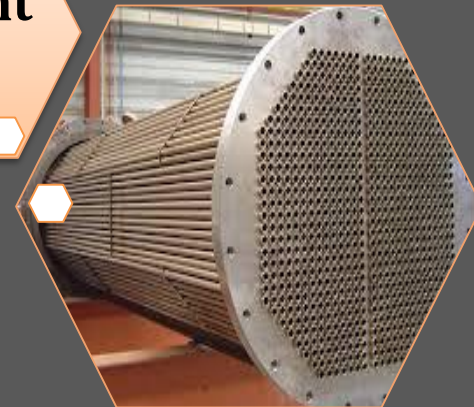


**Air Cooled**



**Straight Tube**

**U- Tube**



# Pipes & Fittings



*MOC: MS / FRP / PP-FRP / HDPE / PVC / U-PVC / C-PVC*

We manufacture Pipes & Fittings in different Material of Construction depending upon customer's requirement and its application.



Pipes & Fittings manufactured for various Turnkey Projects.

# Pickling Tanks & Picking Plants



Pickling tanks are manufactured using PPH sheets, from **15 to 30 mm** sheets, in compliance with **German DVS standards**.

We utilise the latest Swiss technology **Extrusion Fusion Welding** machines which stands by **DVS 2203 Part-1** guideline for welding processes in HDPE and PP tanks.





## ETP Plant



Our ETP unit for Industrial works aid in protecting the environment from toxic waste. ETP helps in removing organics, dirt, grit, toxic, non toxic materials, pollution, debris and polymers. Evaporation, drying and other techniques such as centrifuging and filtration are used for effluent treatment.

## STP Plant



Suony Fibre Glass is successfully engaged in addressing the growing demands of water, Industrial waste Sewage treatment plants. The Sewage Treatment Plants offered by us is most scientific and accurate in getting rid of the sewage in most effective manner.

# Turnkey Projects



**Bulk Drug / API Units**



**Calcium Chloride Plants**



**Pickling Plants**

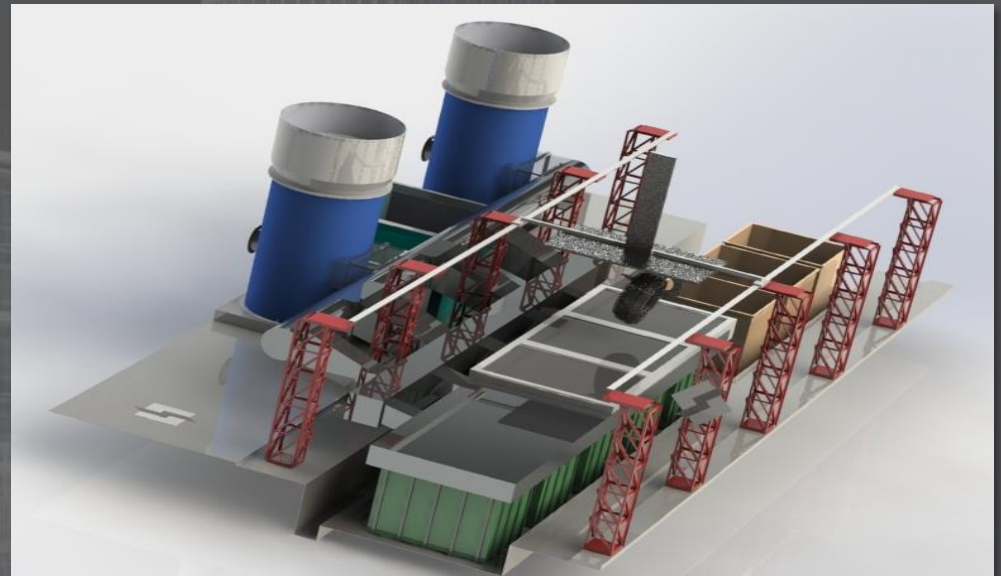


**Lube Oil Recycling Plants**

SFGIPL Has  
Successfully  
Commissioned  
Number of  
Turnkey Projects  
In Diversified  
Domains



# 3D Modelling



- 3-D Modelling of all the Equipments, Piping, Tanks, and wholistic layout. A virtual construction of Plant is done by modelling all the vital areas / components in the plant for every section.
- Design reviews, interference checks and report making is done, once the 3D modelling is complete.
- After resolving all the practical issues, extraction of all the drawings, BOQ, reports generation is done.

# Gallery



# Reach Us At



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# Valued Business Partners



Many more and still counting.....