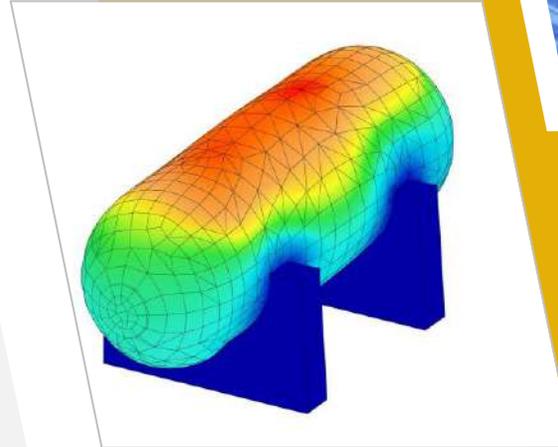




# SHALIN COMPOSITES INDIA PVT. LTD.



# EXECUTIVE SUMMARY



## Who we are

A Globally trusted company for entire gamut of Composites equipment for diverse industry.



## What we do

Specializing in the design, engineering, and manufacturing of custom-made composite solutions for challenging corrosive & high-pressure applications.



## Key differentiators

Design Expertise, Advanced manufacturing Facilities with modern machineries, in depth understanding of end user's processes and operational challenges.

# ABOUT US



We are led by Mr. Parag D Patil (MD) whose 23 years of business experience, astute business sense and in depth technical knowhow of all products and composites has helped us to grow many folds within short span.

He has won prestigious **M. L. Dahanukar Entrepreneur's award in 2011, and State level Tarun Tejankit award, 2019 in business category** and adulations from industry stalwarts for his industrious efforts.



Founded with a decade-long vision to establish a world-class manufacturing facility for composite equipment, Shalin Composites was incorporated in 2011.



The company's origins trace back to its parent organization, D.M. Engineering Co., which began its operations in 2002. This legacy of over two decades in the industry has provided Shalin Composites with a deep understanding of engineering and a foundation of technical expertise.



Today, the company has evolved into a prominent player, driven by a passion for becoming a "game changer" in the composite industry



## CONNECTIVITY

|                         |                                 |
|-------------------------|---------------------------------|
| Location                | Palghar, @19.7173923,72.7735478 |
| Total Built Up Area     | 33000 Sq ft                     |
| Total Factory Area      | 52500 Sq. ft                    |
| Store Area              | 2000 Sq. ft                     |
| Office Area             | 2500 sq. ft                     |
| Laboratory Area         | 200 Sq. ft                      |
| Power Sanctioned        | 186 KVA                         |
| Emergency Power Back Up | 82.5KVA DG                      |

- Delhi Mumbai Express Highway: **11.5 Km**
- Delhi Mumbai National highway: **20 km**
- Proposed Deep sea Vadhwan Port: **34 Km**
- Mumbai International airport: **88 Km**

# LIST OF MACHINERIES



| Sr. No. | Name of Machine                      | Make            | Specification                           | Quantity | Year of Purchase |
|---------|--------------------------------------|-----------------|---|----------|------------------|
| 1       | Lathe Machine                        | Blue tech       | 5' bed length                           | 2no      | 2018             |
| 2       | Pillar Drill Machine                 | Prakash         | 3' radius                               | 1no.     | 2018             |
| 3       | Bench Grinder                        | Surya           |   | 2no.     | 2001             |
| 4       | Air Compressor                       | Atlas copco     | 12 bar max pressure                     | 1no      | 2020             |
| 5       | Hand grinder                         | Hitachi         |   | 12 nos   | 2017             |
| 6       | Hand Drill Machine                   | Hitachi         |   | 2no.     | 2018             |
| 7       | Cutter Machine                       | Hitachi         |   | 1no..    | 2018             |
| 8       | Jig Saw Machine                      |                 |   | 4 nos    | 2018             |
| 9       | Hot air welding set                  | C.Vishnu/ weldy |   | 10 no.   | 2018             |
| 10      | Extrusion Welding machine            | Leister         | FUSION 3C                               | 1no      | 2018             |
| 11      | Welding mirror                       | C.Vishnu        |   | 2nos.    | 2018             |
| 12      | Electric welding machine             |                 |   | 1no      | 2018             |
| 13      | Mini Air Compressor                  |                 |   | 4 nos    | 2018             |
| 14      | CNC Filament winding machine         | CNC             | 4 axis double spindle, 9 mtr bed length | 1no      | 2017             |
| 18      | PLC controlled ROTO moulding machine | VEPL            | 1200 max dia                            | 2nos     | 2017,2020        |
| 19      | Chop spray machine                   | transtechnika   | 9kg/hr                                  | 1no      | 2020             |
| 20      | Curing Ovens                         | Local           | For 3672                                | 4nos     | 2020             |
| 21      | Curing ovens                         | Local           | For 1865                                | 2nos     | 2018             |

# HANDLING EQUIPMENTS



**10 ton EOT crane** 01no

**3 ton EOT** 03nos

**2ton EOT, double hoist** 01no

**Hydraulic stacker** 01no

## Testing Equipment & Measuring instruments

| Testing Equipment |  |      |                |          |                  |
|-------------------|--|------|----------------|----------|------------------|
| Sr. No.           | Name of Equipment                      | Make | specification  | Quantity | year of purchase |
| 1                 | Hydro testing pump with chart recorder | MEW  | up to 60 bar   | 2no      | 2018             |
| 2                 | Field balancing machine                | ACD  | Up to 20000rpm | 1no      | 2015             |

| Measuring Instruments |                                  |  |               |        |      |
|-----------------------|----------------------------------|--|---------------|--------|------|
| 1                     | Vernier Caliper                  |  |               | 5 no   | 2017 |
| 2                     | Anemometer                       |  | digital       | 1no.   | 2002 |
| 3                     | Multimeter                       |  | AC/DC digital | 2no.   | 2002 |
| 4                     | Inclined tube manometer          |  |               | 2no    | 2017 |
| 5                     | U' tube manometer                |  | 15" WC        | 1no    | 2012 |
| 6                     | DB Meter                         |  |               | 1no    | 2013 |
| 7                     | shore D & Barcol Hardness tester |  |               | 1no    | 2010 |
| 8                     | DFT meter                        |  |               | 1no    | 2010 |
| 9                     | Pressure gauges                  |  | 0-21 kg/cm2   | 10 nos | 2018 |
| 10                    | Viscometer                       |  |               | 1 no   | 2020 |



# CORE COMPETENCIES AND PRODUCTS



Shalin Composites offers a diverse range of products engineered for superior performance, corrosion resistance, and longevity. The company's core competencies lie in its ability to deliver custom-made and standard composite solutions that are both technically robust and economically viable.

# STANDARD COMPOSITE PRESSURE VESSELS



## DURASHELL Composite Pressure Vessels

WE offer, DURASHELL BRAND standard LDPE lined vessel up to 3672 which have NSF certified LDPE liners. These are widely used in water, waste water treatment and industrial RO plants.



ANSI/CAN/NSF 61 certified  
LDPE liner vessels

# CUSTOMIZED FRP VESSEL



Customized FRP liner vessel up to **3 mtr dia and 6 mtr long**, under our flagship **DURASHELL** brand composite pressure vessels. **This make us INDIA's largest size FRP pressure vessel manufacturer.**

## Salient Features

- › Design in Compliance with EN13923+ EN13121/ASME X
- › False bottom strainer plate design for effective area utilization
- › Manhole & hand hole for media removal and distribution system fitments
- › Sight Glasses for monitoring operation
- › Thermoplastic Liner like PPH/PVDF options for demanding applications like Ultra Pure Water
- › Horizontal vessels for handling very high filtration flow rates
- › Custom made Header Lateral distribution system with 0.3mm apertures



# FRP TANKS



A variety of tanks for the storage of chemicals, acids, and water, designed to withstand harsh operating environments.



Storage tanks in PP/PVDF/FRP up to 300 KL capacity design in Compliance with EN13121



# FRP CARTRIDGE FILTER HOUSINGS FOR INDUSTRIAL RO AND DESALINATION PLANTS



- 01** Ideally suited for Industrial RO & Desalination plant.
- 02** Cost effective substitute over duplex steel housings
- 03** Light in weight
- 04** excellent resistance to highly saline water and corrosive conditions
- 05** can be custom made for any given flow rates & no of cartridges
- 06** Compatibility with all standard types of cartridges (double open end, single open end, flat top, spear head)
- 07** Designed in compliance with BS 4994,ASME X
- 08** Can be offered as duplex skid mounted unit for continuous operation
- 09** Davit arm for easy access and handling

# WORLDS FIRST FRP CARTRIDGE FILTER HOUSING WITHOUT BODY FLANGE FOR ULTRA HIGH FLOW RATES



## Salient features of FW series of multiple cartridge filter & UF housings

- |    |  |    |   |
|----|--|----|---|
| 01 | Extreme ease of operation and maintenance              | 09 | Removable retainer grid/plate                                   |
| 02 | Less down time for cartridges or UF module change over | 10 | CNC controlled Filament wound construction                      |
| 03 | Less consumables and hardware/fasteners                | 11 | Faster production as compared to hand layup vessel              |
| 04 | Less operational spares requirement                    | 12 | Better aesthetics   |
| 05 | Less manpower for maintenance/operations               | 13 | Less thickness, less weight as compared to conventional vessels |
| 06 | Zero leakages  | 14 | Less foot print   |
| 07 | No bulky flanges.                                      | 15 | Dia as big as 3000 mm possible.                                 |
| 08 | No need of handling equipment or EOT for top cover     | 16 | UV resistant exterior   |

# BASKET STRAINERS/ T,Y TYPE INLINE STRAINERS



Basket type, T, OR Y type Inline strainers are indispensable part of all water treatment or desalination plants. Owing to high salinity these strainers need to have very good corrosion resistance to ensure trouble free operation of feed pumps.



At SCIPL we offer custom made strainers in PP/PVC/PVDF/FRP material which offer excellent corrosion resistance and durable life. The strainers are meticulously designed considering free flow area ratio, clean condition pressure drop etc.



# STATIC MIXERS



High-efficiency static mixers for industrial fluid and gas mixing processes.



**Static Mixer/ In-line Mixers** are unique in a way where material itself is moved through elements/blades as against blades though material in dynamic mixers.

We offer wide range of static mixer particularly used for mixing of many chemicals or additives to water & waste water. typical applications include Mixing of polyelectrolyte, SMBS, coagulant, Alum, FeSo<sub>4</sub>, acid or alkali addition for neutralization etc.



After careful study & consideration of various process parameters such as Viscosity, Density, Flow rate, Pressure Drop & desired **CoV – Coefficient of variation** (a measure for degree of mixing), Reynold's number, flow type- Laminar or turbulent; we at **SCIPL** design & fabricate static mixers for various applications.

# FRP CENTRIFUGAL BLOWERS



Used in exhaust gas extraction and other air handling applications.

FRP blowers are widely used in all chemical industries where corrosive gases are to be handled. We manufacture FRP blowers up to 100 HP rating having all wetted parts in FRP/PP.

01

The blowers are manufactured in compliance with ASTM 4167.

05

Entire blower assembly with shaft is balanced in situ using fine balancing machine & vibration measuring machine.

02

Blowers are offered with optional flow damper, Anti vibration mounts & flexible bellows.

06

All blower are factory tested as per IS4894 for performance as per rated capacity.

03

The impellers are statically & dynamically balanced.



# DEGASIFYING TOWERS, SCRUBBERS



We offer customized Degassifier towers & Scrubbers along with blower entirely fabricated out of PP/FRP MOC thus giving trouble free operation in corrosive areas.

FRP degassifiers or decarbonator are mainly used for removal of  $\text{CO}_2$ ,  $\text{H}_2\text{S}$  from water by counter current aeration.

While Gas scrubbers are used to remove / neutralize the harmful corrosive gases like  $\text{NO}_x$ ,  $\text{SO}_x$ ,  $\text{HCl}$ ,  $\text{H}_2\text{S}$  etc. by absorbing them in scrubbing liquid.

## SALIENT FEATURES



Efficiently sized packed bed columns to ensure optimum mass transfer.



Light in weight



Non metallic construction supplied along with non metallic centrifugal blowers.

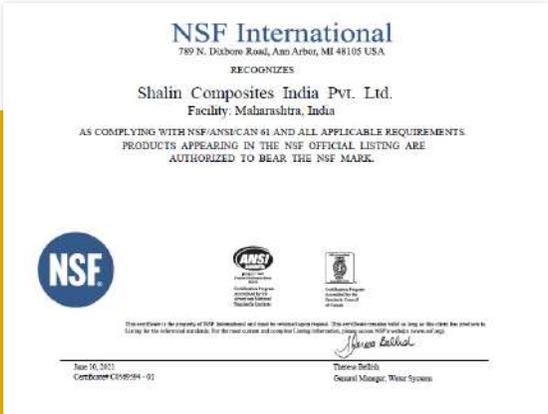


Easy to install

# CERTIFICATIONS AND GLOBAL PRESENCE



Shalin Composites' dedication to quality is underscored by its notable certifications. The company is proud to hold **NSF 61 certification** from NSF International, USA, for its DURASHELL brand composite pressure vessels. This certification is a testament to the product's safety for use in potable water applications, a distinction held by very few companies in India. The company also operates under an ISO 9001 quality management system.



# DOMESTIC CLIENTS



Our domestic client base represents a diverse range of industries and long-standing partnerships built on trust, quality, and consistent performance. Over the years, we have proudly served leading organizations across India, including Refineries, Water treatment OEMs, EPC, Steel & Pharmaceutical companies. Our strong domestic presence is a result of repeat business, timely project execution, and the confidence our clients place in our capabilities. Today, our domestic clients continue to choose us not only for our product quality but also for our commitment to service excellence, technical expertise, and customer-centric approach

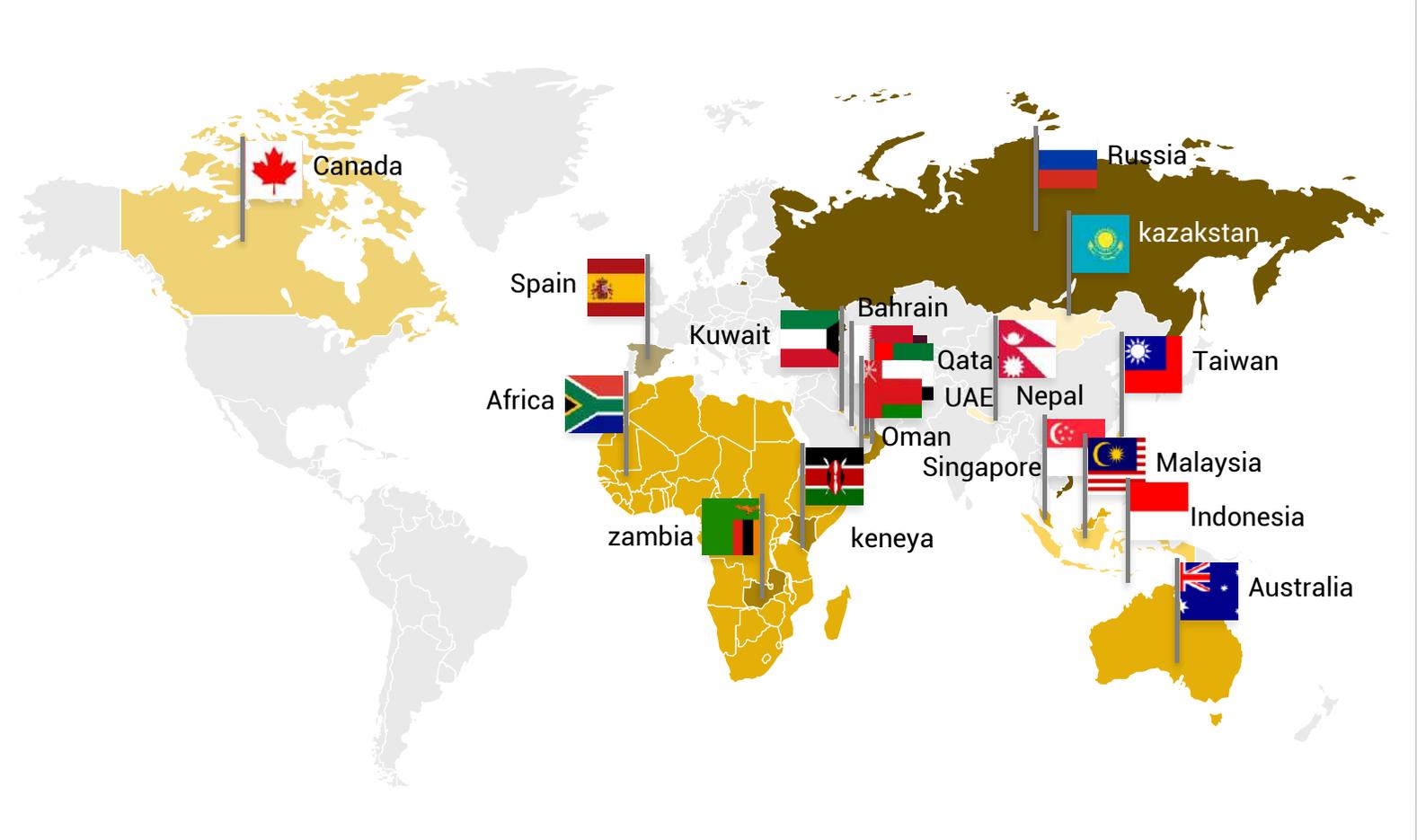
## Our Clients



# INTERNATIONAL CLIENTS



With a growing international presence, Shalin Composites exports its products to over 15 countries across the globe, including key markets in the UAE, Qatar, Kuwait, Australia, Singapore, and various parts of Africa. This extensive export network highlights the global trust in the quality and reliability of its "Made in India" products



## Our Clients



# CONNECT US



## Office & Factory Address

Plot No. 8,9,10,11, Survey No. 32,  
Village Vevoor, Ganesh Nagar, Palghar East,  
Mumbai - 401404, Maharashtra, India



## Contact Number

+91 9867341077  
+91 9819824051  
+91 7972105187



## Email Address

[sales@shalincomposites.com](mailto:sales@shalincomposites.com)  
[mktg@shalincomposites.com](mailto:mktg@shalincomposites.com)