



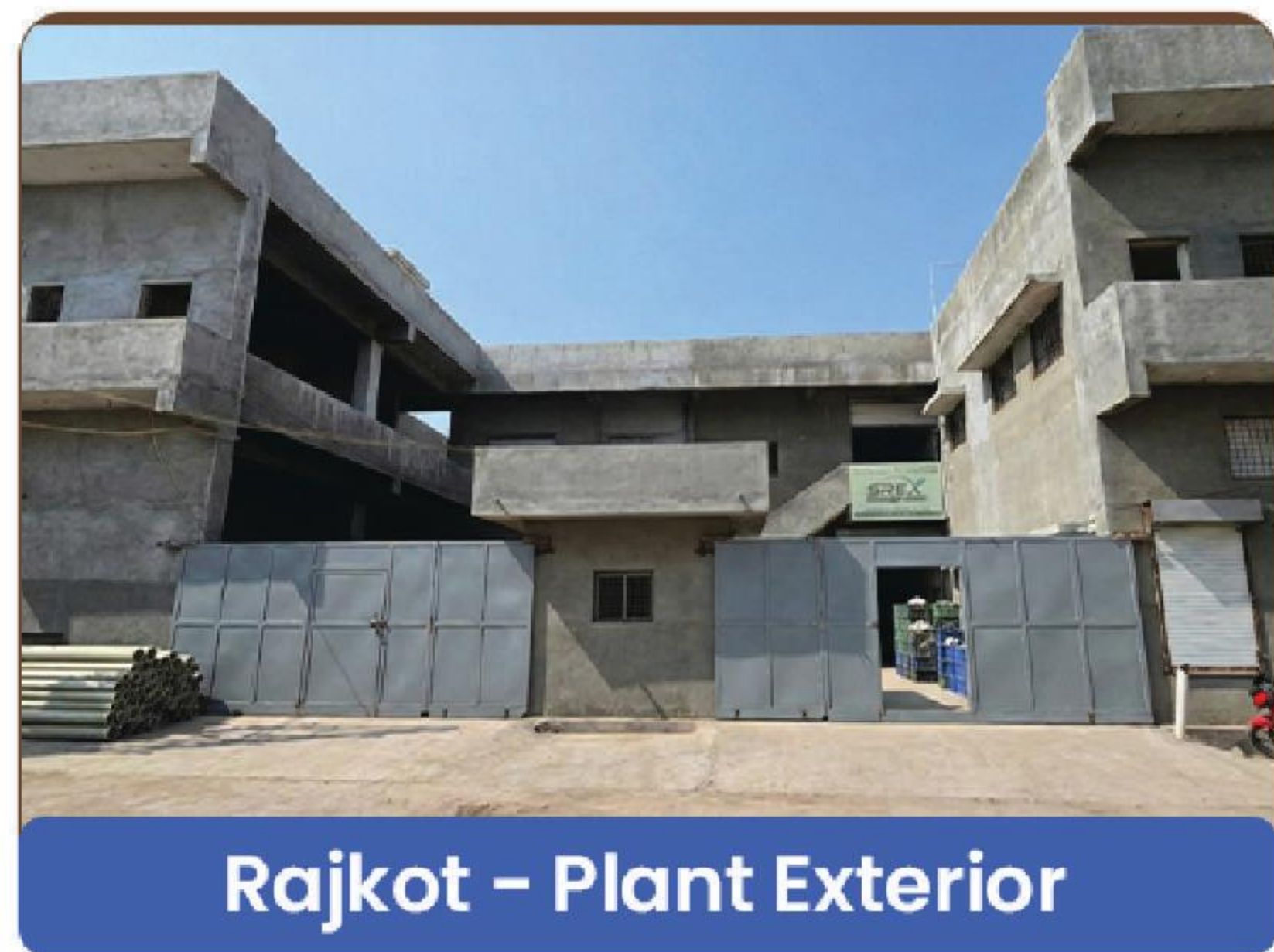
PIPE SYSTEMS | TANKS | EQUIPMENTS | STRUCTURES | SOLUTIONS



Sustainable Future

About SREX Composites

Established in 2017 and renamed as SREX Composites Private Limited in 2025, we are a leading manufacturer and exporter of advanced composite solutions. With state-of-the-art manufacturing facilities in Rajkot and Vadodara, we deliver high-quality, corrosion-resistant, and custom-engineered FRP products for diverse industries worldwide. Our commitment to innovation, quality, and customer satisfaction has earned the trust of clients across the globe.



Rajkot - Plant Exterior



Vadodara - Plant Exterior



Hand Lay Up Workshop



FRP Pipe Storage Area



Admin Office Rajkot



Admin Office Vadodara

Company At a Glance



2017

Company
Establishment Year
(Renamed in 2025)



12,600/-

Coverd
Manufacturing Area
(Sqft)



88

Number of
Employees



5,850

Rajkot Plant
Area (Soft)



6,750

Vadodara Plant
Area (Sqft)



ISO 9001:2015

Quality
Certification



5,000+

Completed
Projects



800+

Industries
Served



6+

Export
Countries



Products Loaded For Export

Our Global Presence



United Arab
Emrates



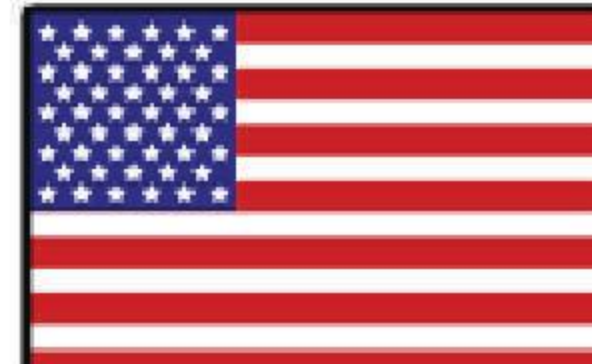
Saudi
Arabia



Iraq



Qatar



United
States



Spain

Major Manufacturing Process

1. Filament Winding
2. Hang Lay-Up
3. Contact Moulding
4. Thermoplastic Lining
5. Pultrusion
6. Custom Fabrication

Design Standards Followed

- ✓ ASTM (American Society for Testing and Materials)
- ✓ ASME (American Society of Mechanical Engineers)
- ✓ BS EN (British Standards European Norms)
- ✓ ISO (International Organization for Standardization)
- ✓ DIN (Deutsches Institut fur Normung)
- ✓ AWWA (American Water Works Association)
- ✓ IS (Indian Standards)
- ✓ Other as per customer requirements



Mr. Mayank Chauhan

Founder & Director

Visionary leader with deep expertise in composite technology and strategic business development. His commitment to innovation and quality drives SREX towards global excellence.



Mr. Vaibhav Patel

Founder & Director

Dynamic professional with strong background in operations and customer relations. He ensures seamless execution and long-term value for clients worldwide.

Plot No. 27, Shri Hari Industrial Park, Sokhada, Rajkot, Gujarat, India - 360003

FRP / GRP PRODUCTS



01 FRP / GRP Pipes & Fittings

High-performance FRP/GRP piping systems engineered for corrosion resistance, chemical handling, and long service life. A lightweight, durable alternative to metallic piping, ideal for chemical plants, water treatment, desalination, infrastructure, and industrial process applications.

1. FRP/GRP Pipe	8. FRP/GRP Blind Flange
2. FRP/GRP 90° Elbow	9. FRP/GRP Full Face Flange
3. FRP/GRP 45° Elbow	10. FRP/GRP Stubend Flange
4. FRP/GRP Equal Tee	11. FRP/GRP Eccentric Reducer
5. FRP/GRP Unequal Tee	12. FRP/GRP Cross
6. FRP/GRP Concentric Reducer	13. FRP/GRP End Cap
7. FRP/GRP Eccentric Reducer	14. FRP/GRP Lamination Kit

Size
15 NB – 4000 NB

Pressure Rating
PN 4 – PN 25

Material
FRP/GRP

Standards
DIN/ASTM/AWWA/
BS/ISO/IS



02 Thermoplastic Lined FRP/GRP Pipes & Fittings

Advanced dual-laminate piping systems with corrosion-resistant thermoplastic liners and high-strength FRP/GRP reinforcement. Built for aggressive chemicals, high-purity and abrasive applications, delivering superior durability, leak resistance, and long-term reliability in corrosive industrial environments.

1. Thermoplastic Lined FRP/GRP Pipes	8. Thermoplastic Lined FRP/GRP Blind Flange
2. Thermoplastic Lined FRP/GRP 90° Elbow	9. Thermoplastic Lined FRP/GRP Full Face Flange
3. Thermoplastic Lined FRP/GRP 45° Elbow	10. Thermoplastic Lined FRP/GRP Stubend Flange
4. Thermoplastic Lined FRP/GRP Equal Tee	11. Thermoplastic Lined FRP/GRP Puddle Flange
5. Thermoplastic Lined FRP/GRP Unequal Tee	12. Thermoplastic Lined FRP/GRP Cross
6. Thermoplastic Lined FRP/GRP Concentric Reducer	13. Thermoplastic Lined FRP/GRP End Cap
7. Thermoplastic Lined FRP/GRP Eccentric Reducer	

Size
15 NB – 4000 NB

Pressure Rating
PN 4 – PN 25

Material
HDPE/PP/PPH
/UPVC/CPVC
/PVDF/ECTFE/FEP/
PFA Lined FRP/GRP

Standards
DIN/ASTM/AWWA/
BS/ISO/IS



03 FRP/GRP Chemical Process Piping

Specialized FRP/GRP piping systems engineered for handling corrosive chemicals, acids, alkalis, solvents, and industrial effluents. These lightweight, non-corrosive, and maintenance-free systems ensure safe and uninterrupted process flow in chemical plants, fertilizer industries, and process manufacturing facilities operating under aggressive service conditions.

Size
15 NB – 4000 NB

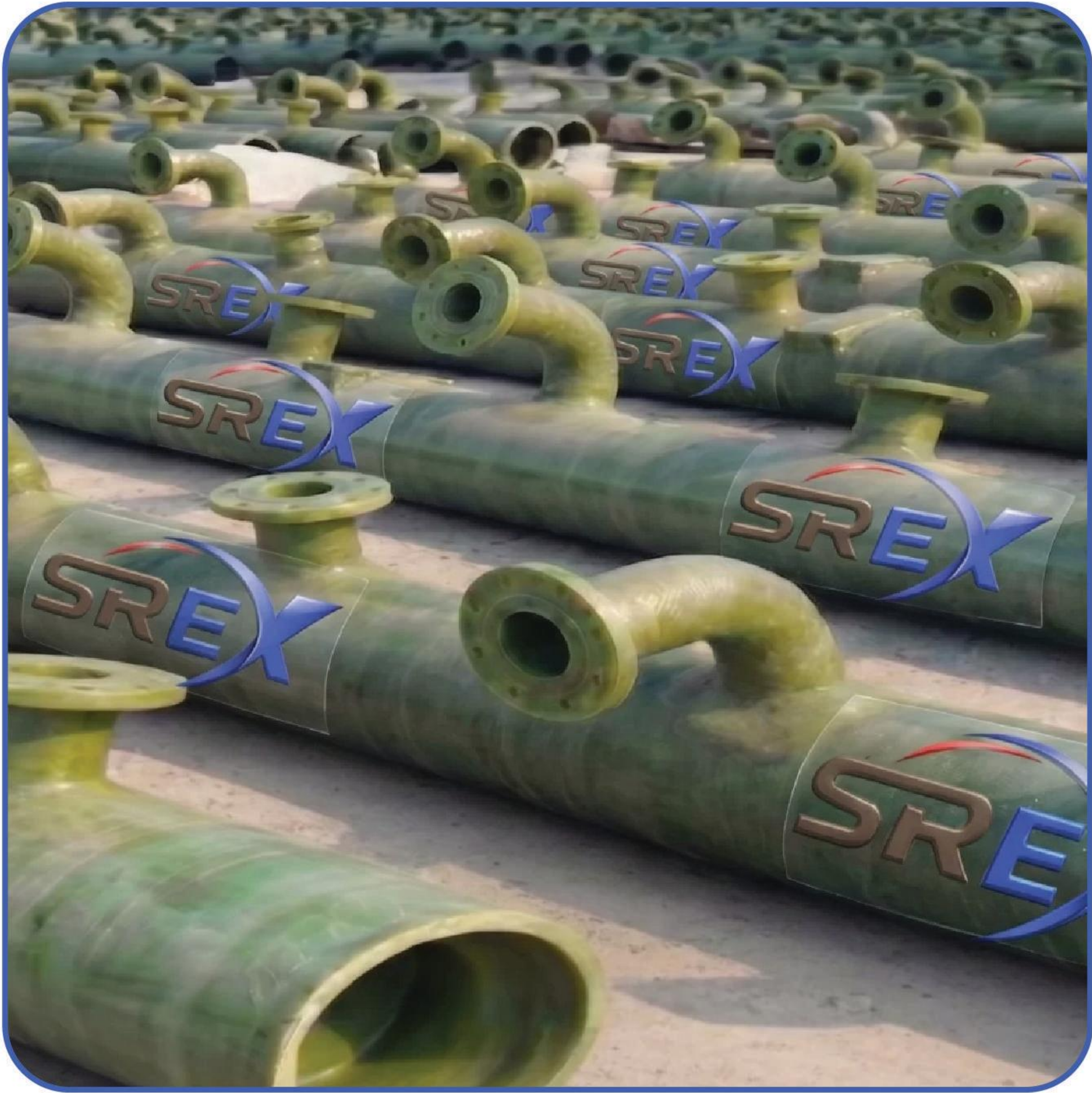
Pressure Rating
PN 4 – PN 25

Material
FRP/GRP

Standards
DIN/ASTM/AWWA/
BS/ISO/IS

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FRP / GRP PRODUCTS



04 FRP / GRP FGD Piping

Heavy-duty FRP/GRP piping systems designed for Flue Gas Desulfurization applications in power plants and industrial emission control systems. Engineered to withstand abrasive slurry, acidic condensates, and corrosive flue gases, these systems provide long-lasting performance, reduced maintenance, and reliable operation in highly demanding environments.

-  Size
15 NB – 4000 NB
-  Pressure Rating
PN 4 – PN 25
-  Material
FRP/GRP
-  Standards
DIN/ASTM/AWWA/
BS/ISO/IS



05 Thermoplastic Lined FRP/GRP Pipes & Fittings

Corrosion-resistant FRP/GRP ducting systems designed for safe transport of industrial fumes, vapors, and corrosive gases. Widely used in chemical plants, scrubber systems, and air pollution control applications, these lightweight and durable ducting solutions ensure reliable airflow performance with excellent resistance against harsh industrial environments.

1. FRP/GRP Ducting
2. Thermoplastic Lined FRP/GRP Ducting

-  Size
15 NB – 4000 NB
-  Pressure Rating
As Per Req.
-  Material
FRP/GRP
-  Standards
ASTM/ISO/IS



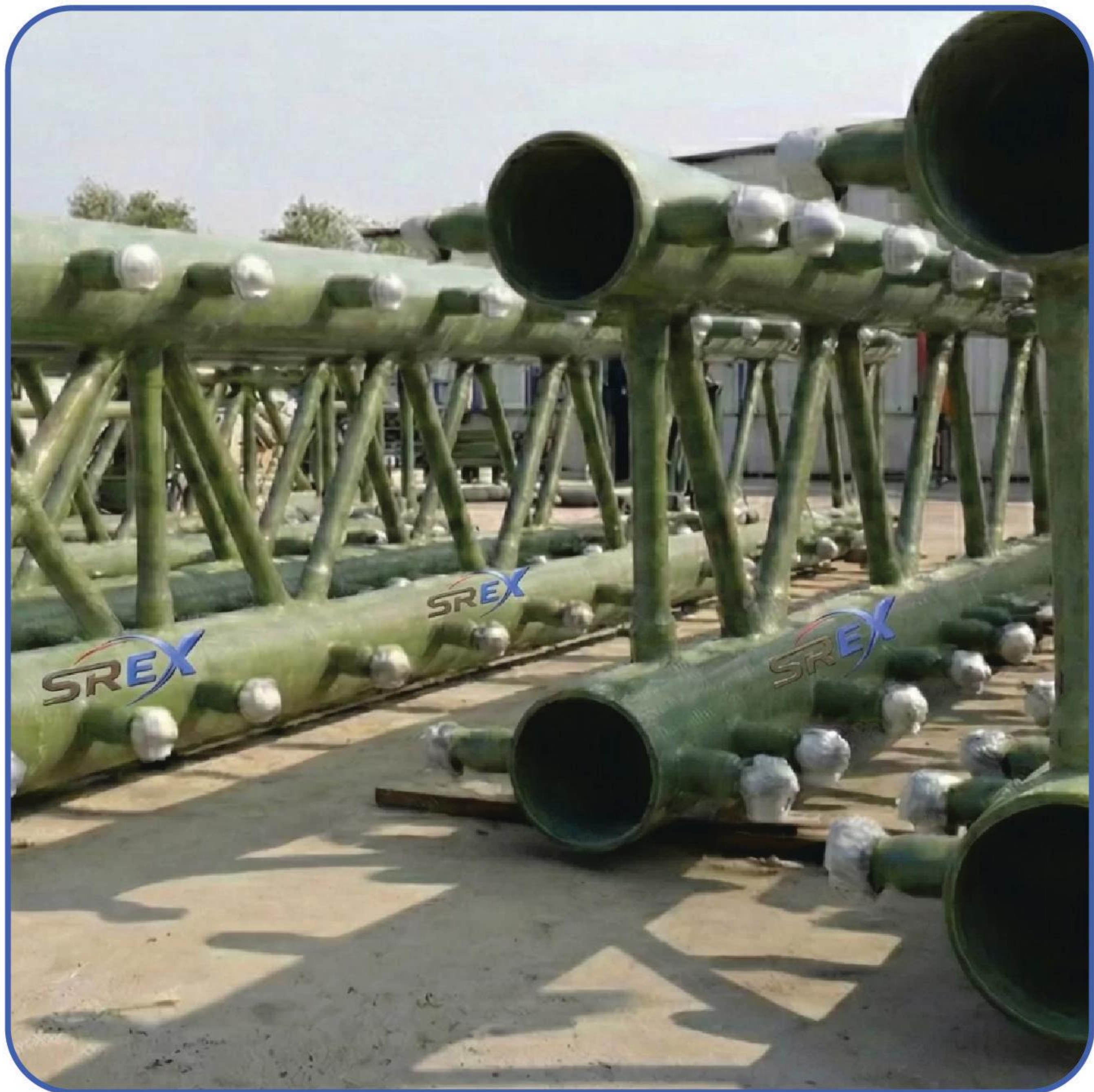
06 GRP Pipes & Fittings

High-strength Glass Reinforced Epoxy piping systems developed for elevated pressure, temperature, and critical industrial service conditions. GRE systems offer mechanical strength, corrosion resistance, and thermal stability, making them ideal for offshore platforms, desalination plants, fire-water networks, marine systems, and oil & gas infrastructure projects.

-  Size
15 NB – 4000 NB
-  Pressure Rating
PN 4 – PN 25
-  Material
FRP/GRP
-  Standards
DIN/ASTM/AWWA/
BS/ISO/IS

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FRP / GRP PRODUCTS



07 FRP / GRP Headers

Custom-engineered FRP/GRP headers and manifolds designed for efficient fluid distribution and collection in industrial process systems. Built for corrosive and high-humidity environments, these systems ensure balanced flow, pressure stability, and reliable long-term performance in desalination plants, water treatment systems, and chemical processing facilities.

Size 15 NB – 4000 NB	Pressure Rating PN 4 – PN 25	Material FRP/GRP	Standards ASTM/ISO
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08 FRP/GRP Stacks (Chimneys & Exhaust Stacks)

Industrial FRP/GRP chimney and exhaust stack systems engineered for safe discharge of corrosive gases, fumes, and process emissions. Designed for continuous outdoor exposure and harsh industrial conditions, these lightweight and corrosion-resistant stacks provide superior durability, structural integrity, and long operational life compared to conventional metallic systems.

Size 15 NB – 4000 NB	Pressure Rating As Per Req.	Material FRP/GRP	Standards DIN/ASTM/AWWA/ BS/ISO/IS
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09 FRP/GRP Storage Tanks

Corrosion-resistant FRP/GRP storage tanks engineered for safe storage of chemicals, water, effluents, and industrial liquids. Manufactured using advanced composite technology, these tanks provide excellent structural strength, leak resistance, and long service life for demanding applications across chemical processing, water treatment, infrastructure, and industrial sectors.

1. FRP / GRP Chemical Storage Tank	4. FRP / GRP / SMC Panel Tank
2. Thermoplastic Lined Storage Tank	5. FRP / GRP Petroleum Storage Tank
3. FRP / GRP Water Storage Tank	6. FRP / GRP Rectangular Storage Tank

Size 0.5 KL – 500 KL	Pressure Rating Full Of Liquid	Material FRP/GRP	Standards BE EN 13129-3/ SECTION X ATME ASME RTP
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FRP / GRP PRODUCTS



10 Thermoplastic Storage Tanks

Premium thermoplastic storage tanks made from HDPE, PP, PPH, PVDF, and other advanced materials for highly corrosive chemicals. Offering excellent chemical resistance, dimensional stability, and contamination-free storage, they ensure long-term reliability with low maintenance.

1. PPH Rectangular Storage	3. PP Spiral Tank
2. HDPE Spiral Tank	

Size
0.5 KL – 500 KL

Pressure Rating
Full of Liquid

Material
HDPE/PP/PPH
/UPVC/CPVC
/PVDF/ECTFE/FEP/
PFA Lined FRP/GRP

Standards
DVS 2055-2



11 FRP/GRP Process Equipments

Custom-engineered FRP/GRP process equipment for chemical processing, pollution control, filtration, and mixing. Built for aggressive chemical environments, it delivers superior corrosion resistance, operational reliability, and long-term durability where conventional metallic equipment fails.

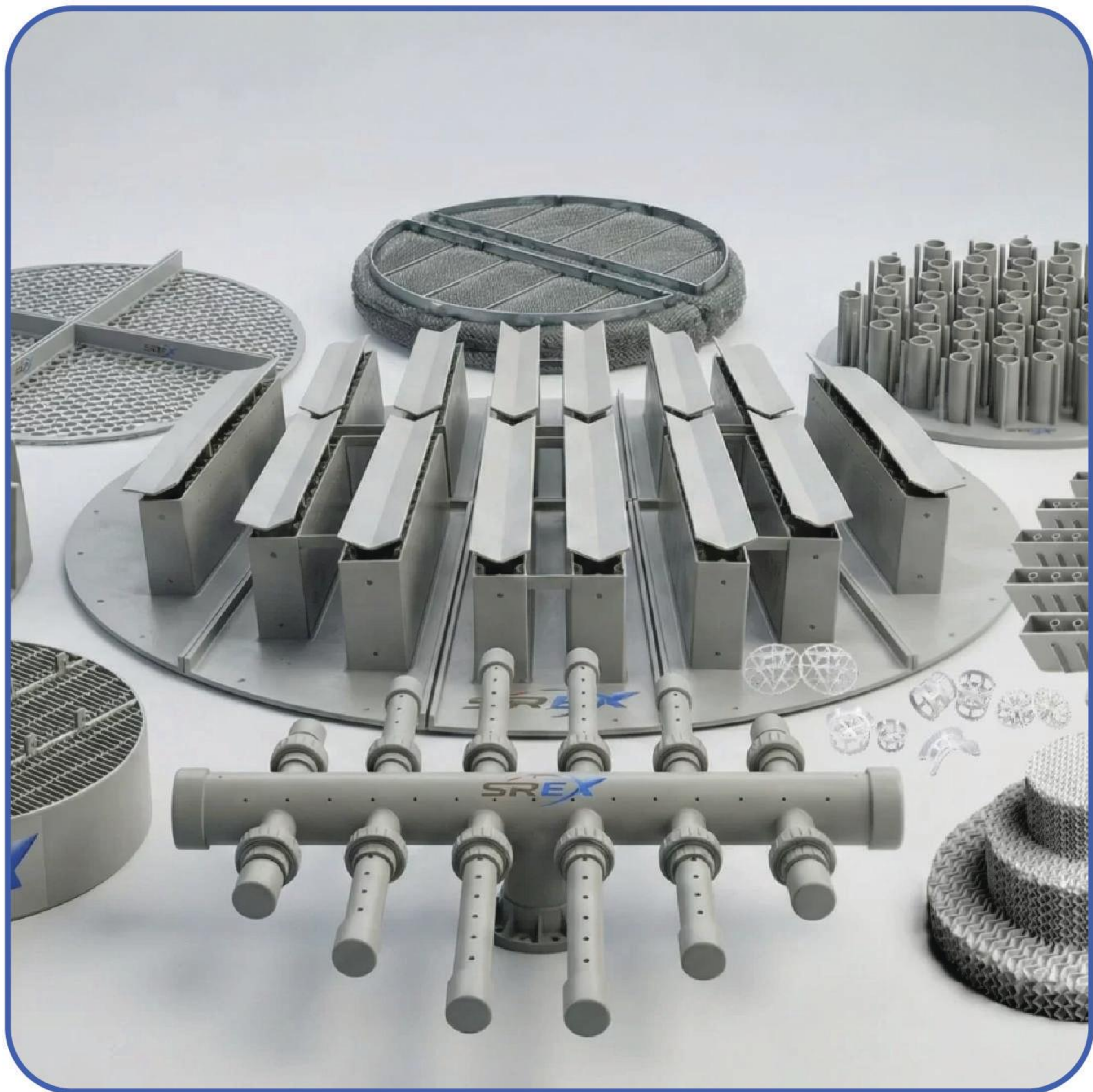
1. FRP / GRP Damper Valve	9. Gear Operated Butterfly Valve
2. Thermoplastic Lined FRP / GRP Damper Valve	10. Ball Check Valve
3. Sparger	11. FRP / GRP Vacuum Trap
4. Ball Valve	12. FRP / GRP HCL Receiver
5. Actuated Ball Valve	13. FRP / GRP Nutch Filter
6. Socket End Ball Valve	14. FRP / GRP Cooling Towers
7. Union Type Ball Valve	15. FRP / GRP Polymer Concrete Cells
8. Lever Operated Butterfly Valve	

Size
0.5 KL – 500 KL

Pressure Rating
1 Bar – 10 Bar

Material
FRP/GRP

Standards
BS EN 13121-3/
ASMESECTION X
/ASME RTP 1



12 Column Internals

Precision-engineered column internals for absorption towers, scrubbers, packed columns, and distillation systems, designed to enhance mass transfer, improve process efficiency, and ensure reliable performance in corrosive environments.

1. Gas Injection Type Support Plate	5. Liquid Distributor (Channel Type Liquid Distributor, Pan Type Liquid Distributor, Pipe Type Liquid Distributor, Trough Type Liquid Distributor)
2. Random Packings (Pall Rings, Super Saddle, Cascade Ring, Hexapack, Tellerette)	6. Vane Type Mist Eliminator
3. Structured Packings (Ceramic Structured Packing, Sheet Metal Structured Packing)	7. Wire Mesh Type Demister Pad
4. Bed Limiter Plate	

Size
300 DIA – 4000
DIA

Pressure Rating
NA

Material
HDPE/PP/PPH
/UPVC/CPVC/
PVDF/ECTFE/FEP
/PFA / PTFE

Standards
DVS

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FRP / GRP PRODUCTS



13 FRP/GRP Water Treatment Equipments

Advanced FRP/GRP water treatment equipment designed for filtration, softening, ion exchange, and pressurized process water applications. Manufactured for high corrosion resistance and long service life, these systems deliver reliable performance in industrial water treatment plants, utility installations, and process water management systems.

Size 0.5 KL – 500 KL	Pressure Rating 1 Bar – 10 Bar	Material FRP/GRP	Standards BS EN 13121-3/ASME SECTION X/ASME RTP 1
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14 FRP/GRP Centrifugal Blowers

High-efficiency FRP/GRP centrifugal blowers engineered for handling corrosive fumes, chemical vapors, and industrial exhaust gases. Designed for scrubber systems, pollution control units, and chemical plants, these blowers offer excellent corrosion resistance, reliable airflow performance, and long operational life in aggressive industrial environments.

1. FRP/GRP Ducting		2. Thermoplastic Lined FRP/GRP Ducting	
Size As Per Req.	Pressure Rating As Per Req.	Material FRP/GRP	Standards BS EN 13121-3



15 Non Metallic Valves

Non-Metallic Valves are corrosion-resistant flow control solutions designed for aggressive chemicals, delivering reliable performance, low maintenance, and long service life in demanding industrial applications.

1. FRP / GRP Damper Valve	11. Swing Check Valve
2. Thermoplastic Lined FRP / GRP Damper Valve	12. FRP / GRP HCL Receiver
3. Sparger	13. Double Window Sight Glass
4. Ball Valve	14. Y Strainer
5. Actuated Ball Valve	15. T Strainer
6. Socket End Ball Valve	16. Basket Strainer
7. Union Type Ball Valve	17. Foot Valve
8. Lever Operated Butterfly Valve	18. Manual Diaphragm Valve
9. Gear Operated Butterfly Valve	19. Actuated Diaphragm Valve
10. Ball Check Valve	

Size 0.5 KL – 500 KL	Pressure Rating Full Of Liquid	Material FRP/GRP	Standards BE EN 13129-3/ SECTION X ATME ASME RTP
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FRP / GRP PRODUCTS



16 FRP / GRP Candle Filters

High-performance FRP/GRP candle filters engineered for efficient mist elimination and gas filtration in corrosive industrial environments. Designed to remove fine droplets, aerosols, and particulate contaminants, these systems ensure cleaner emissions, improved process efficiency, and reliable long-term performance in chemical and pollution control applications.

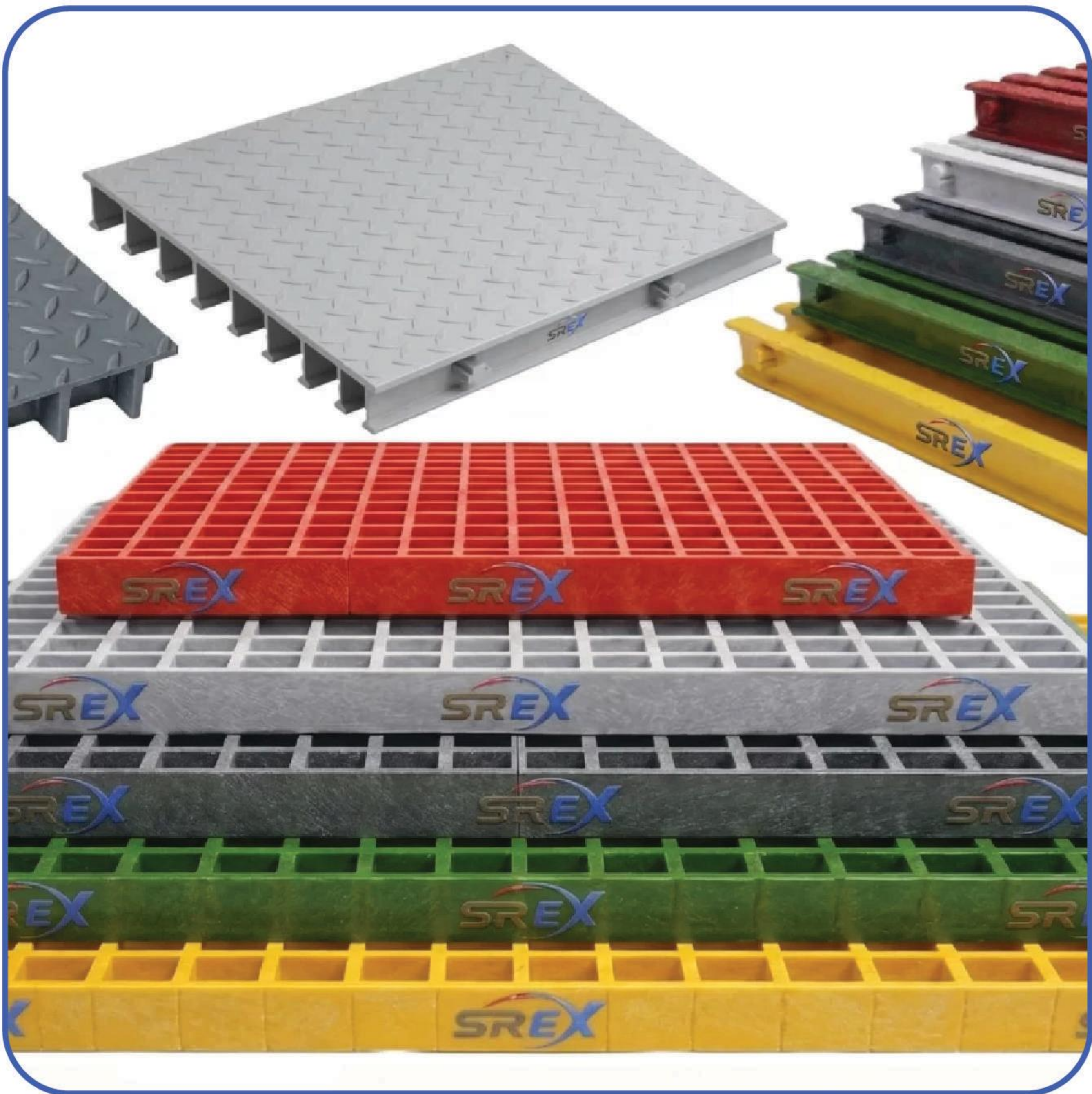
-  Size
300 DIA - 4000
DIA
-  Pressure Rating
NA
-  Material
FRP/GRP
-  Standards
BS EN 1312-3



17 FRP/GRP Street Light Poles

Lightweight and corrosion-resistant FRP/GRP street light poles designed for highways, industrial facilities, infrastructure projects, and urban lighting systems. Engineered for superior weather resistance, electrical insulation, and long operational life, these composite poles provide a durable and maintenance-free alternative to conventional metallic poles.

-  Size
3 Meter - 15
Meter
-  Pressure Rating
NA
-  Material
FRP/GRP
-  Standards
IS



18 FRP/GRP Gratings

Heavy-duty FRP/GRP gratings designed for industrial platforms, walkways, trench covers, and structural flooring in corrosive environments. Manufactured using advanced composite materials, these gratings offer excellent load-bearing capacity, slip resistance, corrosion protection, and long service life for demanding industrial and offshore applications.

1. FRP / GRP Moulded Gratings	3. Phenolic FRP / GRP Gratings
2. FRP / GRP Pultruded Gratings	4. FRP / GRP Grating Accessories (Saddle Clips, M-Clips, C-Clips, Hold-Down Clamps)

-  Size
125 MM - 38 MM
-  Pressure Rating
NA
-  Material
FRP/GRP
-  Standards
IS-12709

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FRP / GRP PRODUCTS



19 FRP/GRP Pultruded Products

High-strength FRP/GRP pultruded structural profiles manufactured for industrial, infrastructure, and utility applications. These lightweight yet durable components provide excellent corrosion resistance, electrical insulation, and dimensional stability, making them ideal for structural frameworks, cable management systems, walkways, railings, and support structures.

1. FRP / GRP Pultruded Profiles	8. FRP / GRP Ladders
2. FRP / GRP Cable Trays	9. FRP / GRP Handrail Systems
3. FRP / GRP Solar Panel Structures	10. FRP / GRP Composite Fencing Systems
4. FRP / GRP Solar Walkways	11. FRP/GRP Eccentric Reducer



20 FRP / GRP General Moulding Items

Custom-molded FRP/GRP products engineered for industrial, infrastructure, architectural, and utility applications. This segment includes canopies, roofing sheets, manhole covers, gutters, motor covers, and various molded composite products offering superior durability, corrosion resistance, lightweight construction, and long-term outdoor performance.

1. FRP / GRP Canopy	6. FRP / GRP Conveyor Hood
2. FRP / GRP Motor Guard	7. FRP / GRP Gutter Systems
3. FRP / GRP Fire Extinguisher Boxes	8. FRP / GRP Tractor Hoods
4. FRP / GRP Hose Boxes	9. FRP / GRP Chequered Plates
5. FRP / GRP Roofing Sheets	10. FRP / GRP / SMC Manhole Covers



21 FRP/GRP Lining & Coating Services

Advanced FRP/GRP lining and coating solutions developed for protecting industrial equipment, tanks, pipelines, and concrete structures from corrosion, chemical attack, and moisture ingress. These engineered anti-corrosion systems ensure enhanced durability, reduced maintenance, and long-term asset protection in aggressive industrial environments.



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FRP / GRP PRODUCTS



22 FRP/GRP/SMC Electrical Products

Durable FRP/GRP/SMC electrical enclosures and protection systems engineered for industrial, infrastructure, and outdoor electrical applications. Designed for excellent electrical insulation, weather protection, and corrosion resistance, these products provide safe and reliable performance in harsh operating environments requiring long - lasting electrical safety solutions.

1. FRP / GRP / SMC Enclosure	7. FRP / GRP / SMC MCB Distribution Boxes
2. FRP / GRP / SMC Junction Box	8. FRP / GRP / SMC Push Button Station
3. FRP / GRP / SMC Junction Box with Canopy	9. FRP / GRP / SMC DOL Starters
4. FRP / GRP / SMC Point Junction Box	10. FRP / GRP / SMC Electrical Panel
5. FRP / GRP / SMC Panel Junction Box	11. FRP / GRP / SMC Meter Box
6. FRP / GRP / SMC MCB Enclosure	



23 GFRP Rebars

GFRP Rebars (Glass Fiber Reinforced Polymer Reinforcement Bars) are advanced composite reinforcement products developed as a corrosion-resistant alternative to conventional steel reinforcement. Manufactured through a continuous pultrusion process using high-strength glass fibers and thermosetting resins, they deliver lightweight handling, exceptional durability.



“ Looking for a Custom Composite Solution? ”

The products featured in this catalog represent only a part of our manufacturing capabilities. At SREX Composites Pvt. Ltd., we specialize in designing and manufacturing customized FRP/GRP, GRE, and thermoplastic - lined composite solutions to meet unique process requirements.

If your application requires a product that is not listed in this catalog, our engineering team is ready to develop a solution based on your drawings, specifications, operating conditions, or project requirements. Whether it is a new design, a modification of an existing product, or a completely customized fabrication, we have the expertise and manufacturing capabilities to deliver reliable, high-performance composite solutions.

Share your challenge with us. We don't just manufacture products, we engineer solutions.

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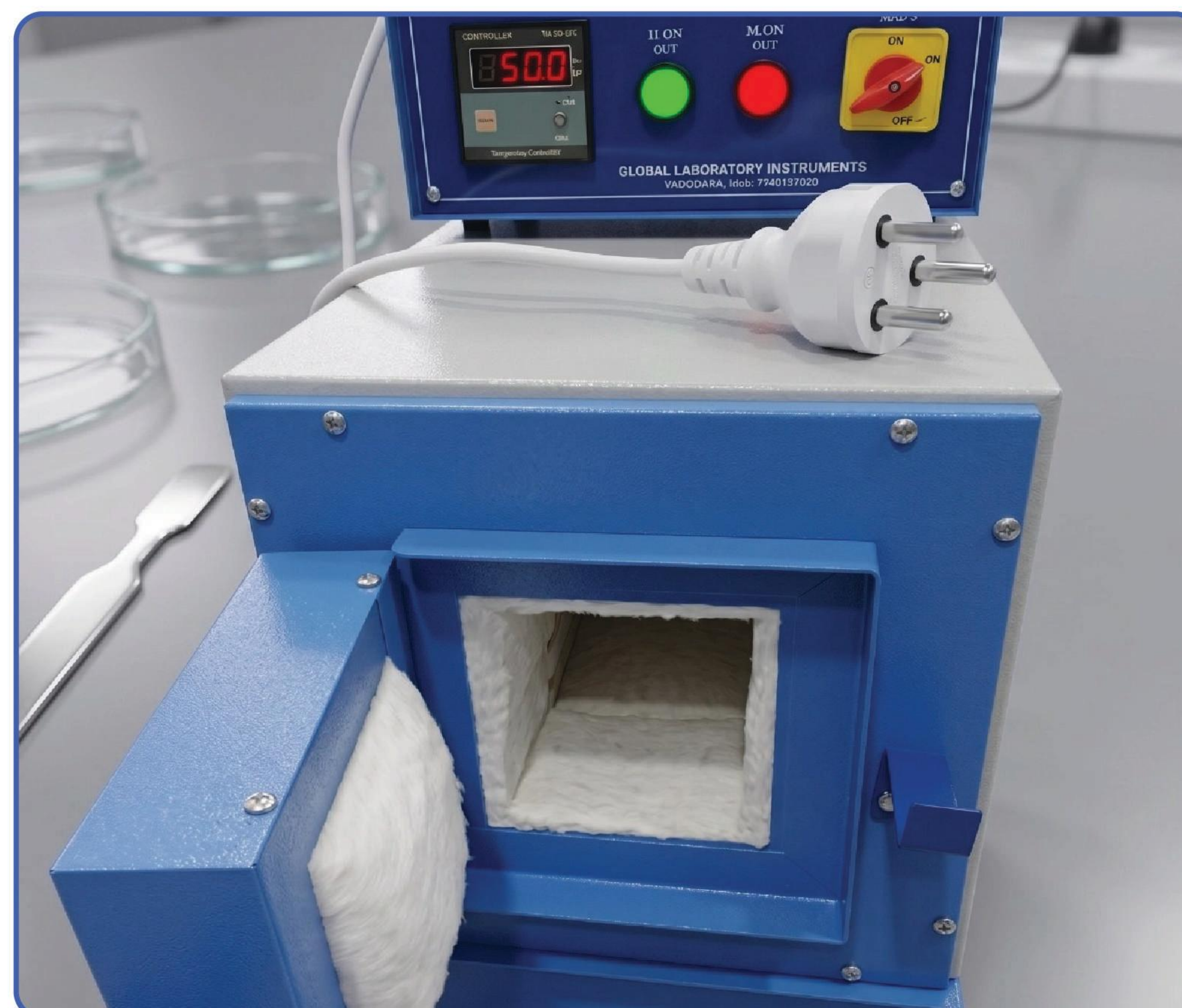
QUALITY ASSURANCE & QUALITY CONTROL



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Precision Barcol Hardness
Testing as per ASTM D2583



Advanced Glass Content
Analysis as per ASTM D2584



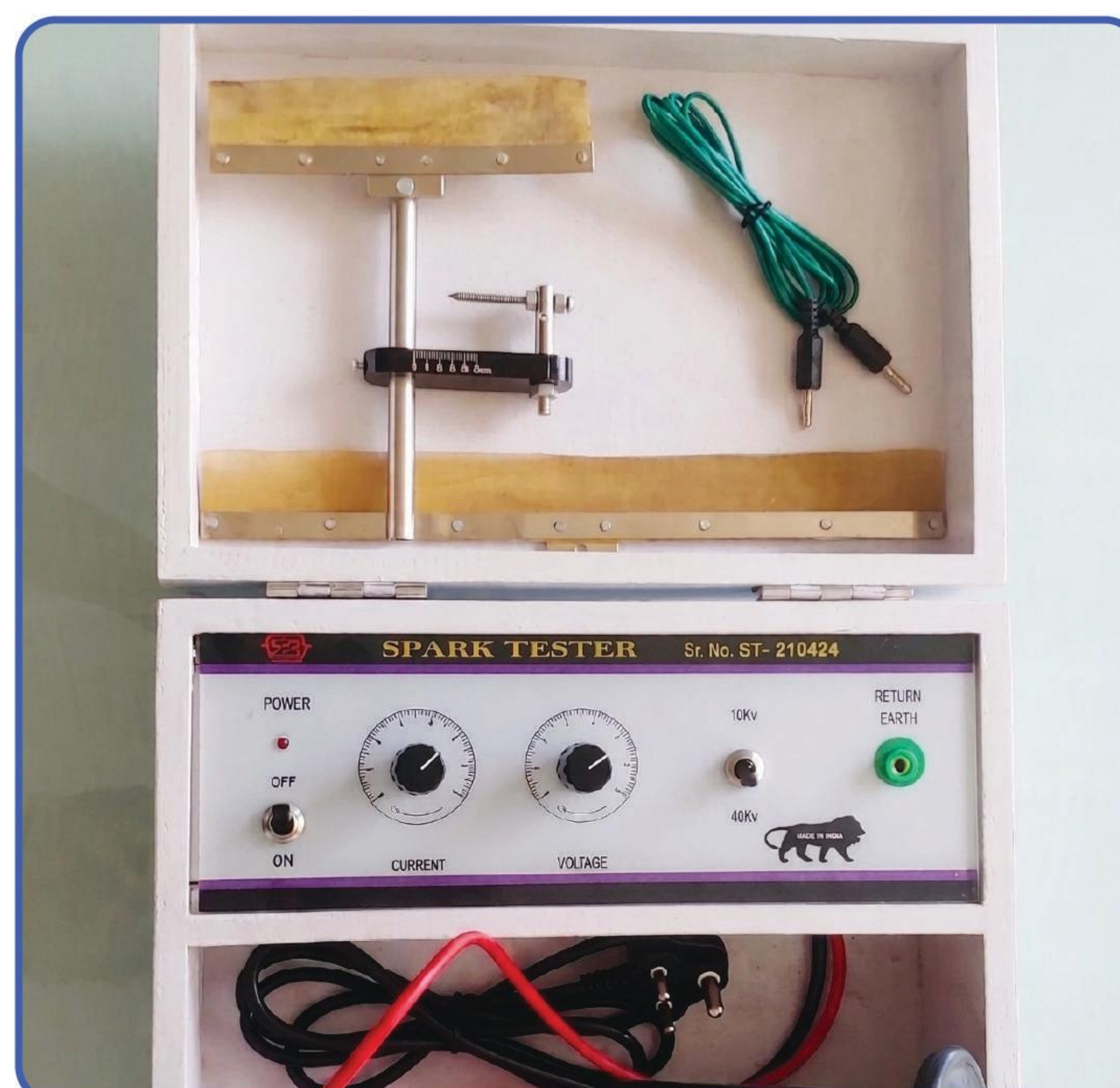
Advanced Loss on Ignition
(LOI) Testing as per ASTM D2584



Advanced Resin Density
Verification as per IS 6746



Advanced Viscosity
Analysis as per IS 6746



Advanced Spark Testing
for Thermoplastic Weld
Integrity as per DVS 2206-4



Universal Testing Machine
for Advanced Mechanical
Performance Validation

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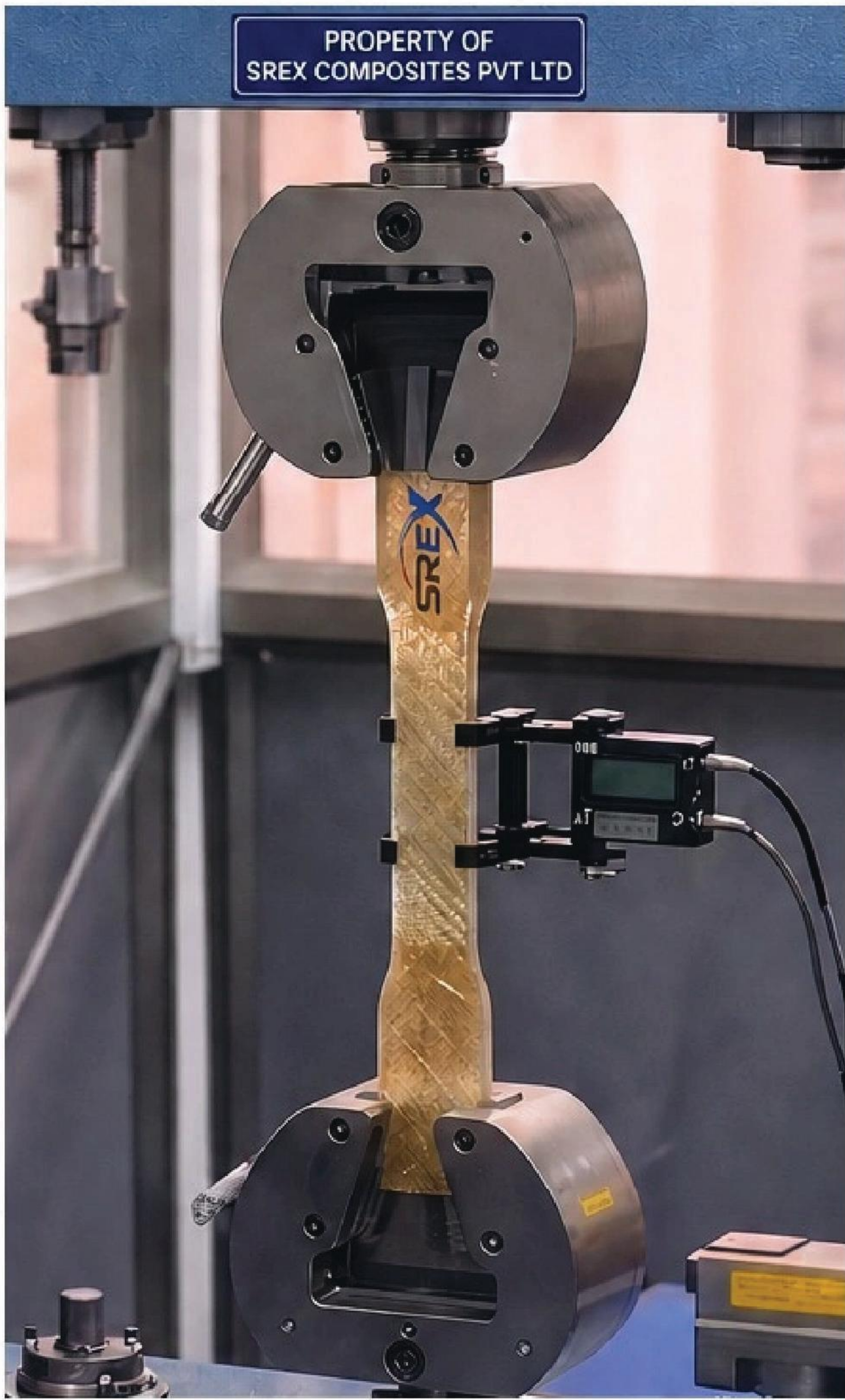
ASTM D3039 – AXIAL TENSILE STRENGTH TEST

— STRAIGHT-SIDED COUPON METHOD —

1 SPECIMEN SPECIFICATION (ASTM D3039)
Flat FRP coupon with tabs as per standard geometry



2 TEST SETUP – UNIVERSAL TESTING MACHINE
Specimen mounted with extensometer before loading



3 FAILURE UNDER AXIAL TENSILE LOAD
Failure occurs in gage section under controlled loading



Tensile properties are determined by applying axial load until failure occurs in the gage section.



Test Method in accordance with
ASTM D3039

ASTM D2412 – RING STIFFNESS TEST

— PARALLEL PLATE LOADING METHOD —

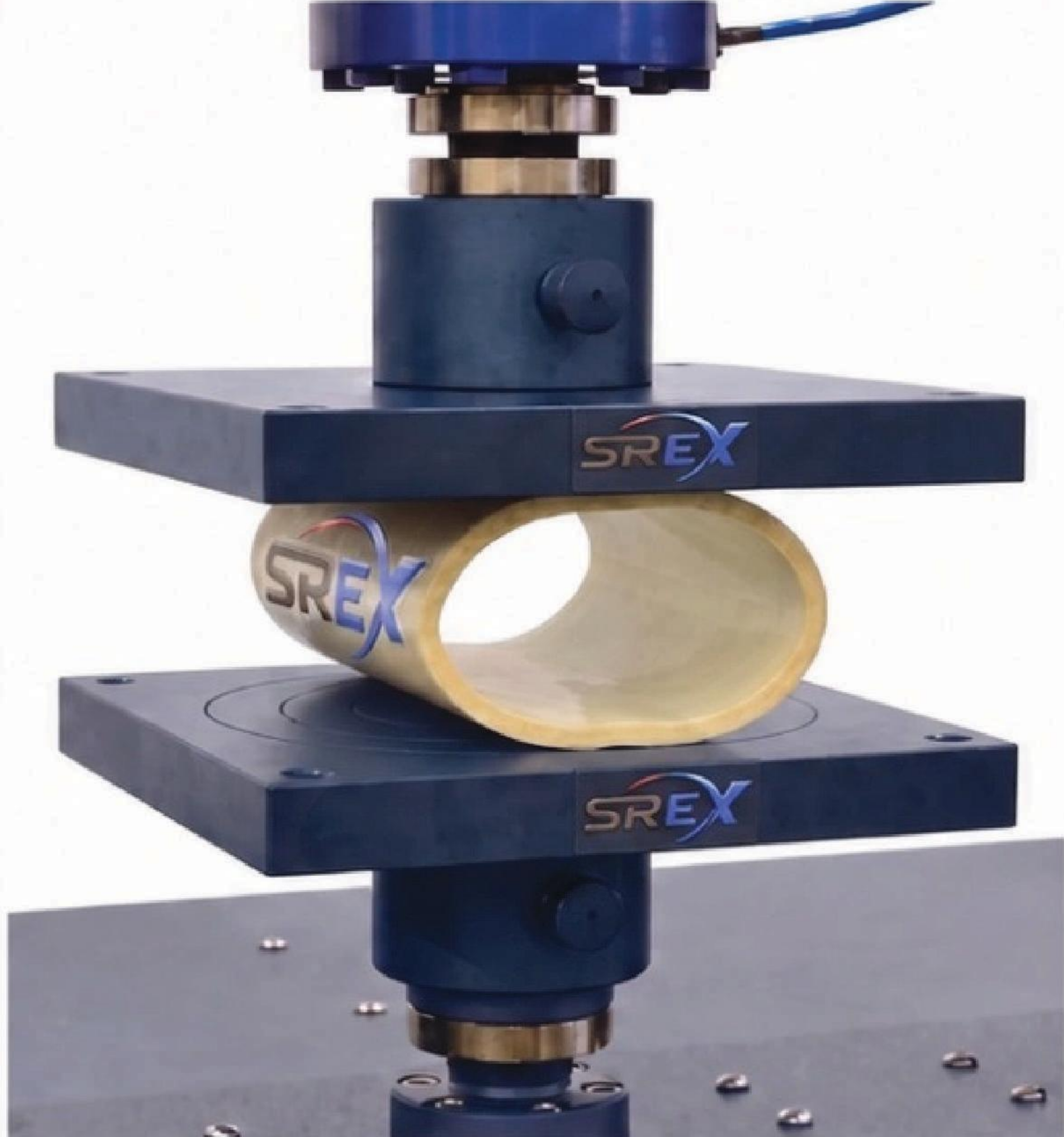
1 SPECIMEN PREPARATION (ASTM D2412)
Short length pipe specimen as per ASTM D2412



2 TEST SETUP – BEFORE LOADING
Specimen placed between parallel compression plates



3 DEFORMATION UNDER LOAD
Pipe deflection under load for stiffness evaluation



Pipe stiffness determined by load vs deflection



As per ASTM D2412

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LAP SHEAR STRENGTH TEST

— AS PER BS EN 13121-3:2016 (ANNEX D.8) —

1 SPECIMEN PREPARATION (BS EN 13121-3:2016)

Lap shear test specimen as per
BS EN 13121-3:2016 (Annex D.8)



2 BEFORE TEST – INSTALLED ON UTM

Specimen installed in Universal
Testing Machine (Before Test)



3 AFTER TEST – UNDER LOAD (LAP SHEAR FAILURE)

Specimen after applying tensile load
showing lap shear failure



Determines the bond shear strength between
thermoplastics lining and laminate, or
between laminates (Lap Shear Test)



TEST METHOD
As per BS EN 13121-3:2016
(Annex D.8)



APPLICATION
For quality assurance of FRP
lining and laminate bond integrity

ASTM D2290 – HOOP TENSILE STRENGTH TEST

— SPLIT DISK METHOD —

1 SPECIMEN PREPARATION (ASTM D2290)

Reduced section ring specimen
as per standard geometry



a) Second reduced area is optional.

2 TEST SETUP – SPLIT DISK METHOD

Specimen mounted on self-aligning
split disk fixture (Before Test)



3 FAILURE UNDER HOOP TENSILE LOAD

Failure occurs at reduced section
under controlled loading



Apparent hoop tensile strength is determined by applying tensile load
through a **split disk fixture** until failure occurs in the reduced section.



Test Method in accordance with
ASTM D2290

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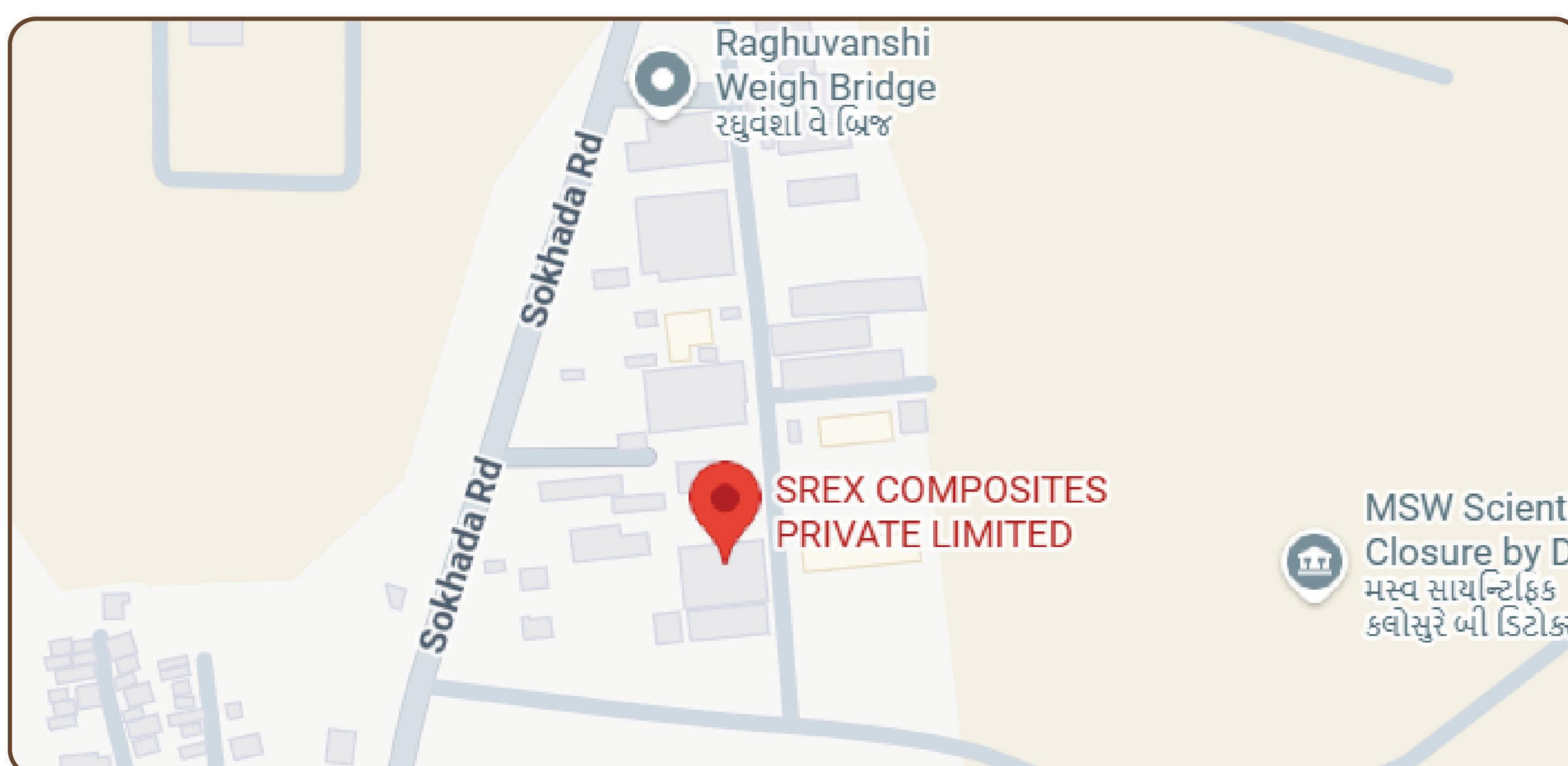


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OUR CLIENTS



Transforming Industries with Smart Composites



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Rajkot, Gujarat, India – 360003

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