

FRP/GRP



**九博复材**  
JUBO COMPOSITES

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BUILDING INDUSTRY PRODUCTS AND CHINESE FAMOUS BRAND

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**衡水九博复合材料有限公司**  
**Hengshui Jiubo Composites Co., Ltd.**



# Enterprise profile

Hengshui Jiubo Composites Co., Ltd.

**Hengshui Jiubo Composites Co., Ltd.** is professional manufacturer of FRP Pipe, FRP storage tank, FRP cooling tower, FRP molded products, FRP pultruded products and relative FRP production machines & technology, we have two international sales branches—Hengshui Aoliande Trading Co., Ltd. and Hengshui Gains Trade Co., Ltd, through the continuous development and introduction of professionalism and technology, our company rely on advanced technology, exquisite craftsmanship, reliable quality and perfect service, passed ISO9001, ISO14001, OHSAS18001 management system certification, now we have 300 staff, annual sales of glass fiber reinforced plastic series products achieved 20,000 tons, products have been sold to all over the world, USA, Brazil, Japan, Germany, India, Malaysia, Iran, Egypt etc, and won the support and trust from new & old customers.

**Major products:**

- FRP tank and chemical equipment
- FRP high, medium & low pressure pipe
- FRP grating
- FRP manhole cover
- FRP SMC water tank
- FRP fan
- FRP cable tray
- FRP septic tank
- FRP molded & pultruded products
- Electrolytic cell
- S/F, F/F oil storage tank
- Whole set of filament winding machine & technology for FRP pipe & tank
- Whole set of FRP pultrusion machine & technology
- Whole set of FRP molded machine & technology

**Hengshui Jiubo Composites Co., Ltd.** not only have manufacture ability, but also has design ability of material, structure and products, our company can provide customers with technical advice, supply of goods and material, transportation, installation supervision etc service.

**Main application:**

- Urban water supply and drainage
- Desalination of sea water
- Chemical industry
- Metallurgy
- Brewing
- Electric power
- Oil storing
- Sewage treatment
- Building
- Municipal works
- Highway facilities



## FRP tank & chemical equipment

FRP/GRP tank be produced by computer control filament winding process, use different resins and fiberglass to satisfy client's requirements, it's features are corrosion resist, light weight, high strength, long service life etc.

Diameter: DN600–DN25000mm

Volume: upto 2500m<sup>3</sup>

Type: vertical, horizontal



### FRP pipes & fittings

FRP/GRP mortar pipe is composed of inner layer, wound layer, resin-mortar layer and external corrosion resist layer, its density is 1.7–2.1, equals to 1/5 of steel pipe, 1/4 of ductile iron pipe, it has excellent properties—corrosion resist, good hydraulic property, shock-resist, easily installation etc.

Diameter: DN15–DN4000mm

Pressure: gravity, 0.6MPa, 1.0MPa, 1.6 MPa, 2.0 MPa, 2.5MPa

Stiffness: SN2500, SN5000, SN7500, SN1000

Connections: spigot & socket joint with double O rings, Butt & strap joint, flanged joint etc.



### FRP grating

FRP/GRP grating use high strength fiberglass roving as reinforcing material, together with unsaturated polyester resin, be widely used in the power generation, sewage treatment, oil refining and oceanographic survey fields as work floors, stair treads, and trench covers etc.

Mesh size: 25\*25\*25, 38\*38\*38, 50\*50\*50

Standard size of one panel: 1220\*3660, or customized



### FRP SMC water tank

SMC FRP/GRP Panel Tanks are an ideal way to store water. The panel tank is a modular system, which then enables a tank of any desired size to be assembled and constructed on site.

Volume: 0.125m<sup>3</sup>–1000m<sup>3</sup>

Specification:

Size of panel: 1000mm × 1000mm, 1000mm × 500mm, 500mm × 500mm,

Accessories

Internal accessories:

Inside ladder, flange, tie piece, support, tie piece board;

External accessories:

Outside ladder, fixing angle iron, auxiliary angle iron, rubber strip, plugging, silicon glue, bolts and nuts;



### FRP cooling tower

FRP cooling tower consist of tower body, fan, motor, gearbox, filler, water distributor & pipe, it's be widely used for chemical plant, steel & iron plant, hotel, hospital, public building etc.

Type: counter flow, cross flow  
Volume: 10m<sup>3</sup>/h-6000m<sup>3</sup>/h  
Shape: round, rectangle



### FRP cable tray

Material:FRP, steel, aluminum alloy  
Type:Ladder type, perforated type, trough type  
Standard size:100\*100mm, 200\*150mm, 300\*50mm, 100\*50mm, 200\*100mm, 300\*150mm or Customized  
Height:30-50cm or Customized



### FRP electrolytic cells

Electrolytic cells are cast monolithically and consist of three layers, inner layer is monolithic tank which made with multiple layers of fiber-reinforced vinyl ester resin (FRP) be as chemical barrier, middle layer is the structural core which made with patented polymer concrete, it provides long-term structural integrity with low thermally-induced stresses, outer layer is seal layer of FRP that further protect the structural core from electrolyte splashes and spills, be widely used for refining of nonmetal, like cooper, zinc, lead, nickel etc.



### S/F dual-layer oil storage tank

S/F tank is dual-layer storage tank, S means steel, FRP mean FRP, inner layer is made from 6-8mm steel plate, outer layer is made of fiberglass reinforced plastics, to provide excellent shock resist, corrosion resist, electrical erosion resist etc, be widely used for oil station, large-scale chemical plant, refining plant etc.



**FRP molded products**



FRP septic tank



FRP manhole cover



FRP anti-Dazzling board

**FRP fans**



**FRP pipe production line & auxiliary equipments**

FRP/GRP pipe Production Line has six parts, such as inner layer manufacturing machine, computer control adding mortar-winding machine, curing station, trimming machine, mould unloading machine and resin mix station. Its controlling center has been adopted the Taiwan's advanced STD industrial control computer, if the parameter of the wound products being inputted the computer, the design of the linearity for winding of the product will be finished automatically.

Diameter range: DN15-DN4000mm

Length: 2m, 4m, 6m, 12m



Hydrostatic pressure test machine



Stiffness test machine

**FRP pultruded profiles**



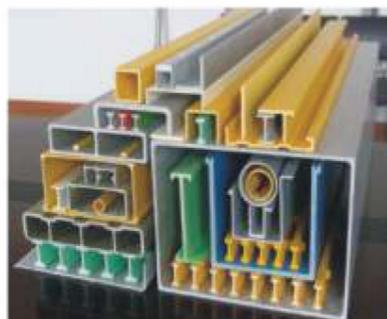
FRP wind & dust controlling panel



FRP solid bar



FRP hollow tubes



FRP beams



FRP platform & handrail

### FRP tank production line and auxiliary equipments

Diameter range can be produced: DN600–DN25000mm  
 Winding angle:  $45^\circ < \alpha < 90^\circ$   
 Length: depends on clients' requirements



Spraying of inner liner

Filament winding

Vertical wound machine on jobsite



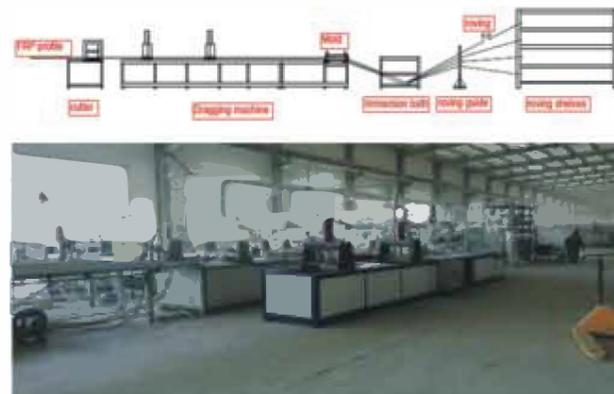
Steel mold

Steel mold

Spraying gun

### FRP Pultrusion machine

FRP pultrusion is one of new FRP production processes, it's formation easily, main material are fiberglass and resin, it is a continuous process for the manufacture of products having a constant cross section, such as rod stock, structural shapes, beams, channels, pipe, tubing, fishing rods etc.



### FRP molded machine

Be widely used for production of FRP septic tank, FRP manhole cover, FRP SMC water tank, cable support, meter box etc.



Molded machine

Production of septic tank

Production machine of FRP grating

### water conservancy facilities

