



ASUT FIBERGLASS

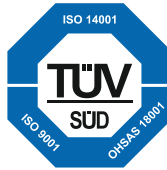
Glassfiber Reinforced Plastic

Asut Fiberglass Ind. Inc.

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www.asutfiberglass.com





We've been doing it skillfully for 55 years.

www.asutfiberglass.com



we have the responsibility to produce safely
since 1966



ASUT FIBERGLASS

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SINCE 1966



Burhanettin ASUT (1930)
FOUNDER

EVER SINCE

As we did in the early 1966's, pioneering the FRP (fiberglass) industry. ASUT has again risen to challenge manufacturing a Filament Winding system, using the same commitment to excellence that has made ASUT an industry leader for fourtynine years.

- 1966 FRP Boat
- 1968 FRP Truck Driver Cabin
- 1969 FRP Continuous Roof Cover
- 1973 FRP Filament Winding Pipe & Tanks
- 1980 FRP Filament Winding Elbow
- 1991 FRP Cooling Tower & Blade
- 1993 FRP Pultrusion
- 1994 PP Tower Packing Ring
- 1995 FRP (ID 3 m) Absorber
- 2000 FRP (ID 10 m) Absorber
- 2001 FRP (ID 8 m) Duct
- 2008 FRP Continuous Cross Fw Pipe
- 2014 40.000 sq. meter total area

Since the 1966's, ASUT Fiberglass technology has evolved to enable fiberglass to be used as either the Pipe-Tank-Absorber-Chimney materials of choice or a feasible alternative for certain



Fahrettin ASUT (1961)
Financial Director



Fatih ASUT (1967)
Technical Director

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APPLICATION

- Chemical Plants
- Refineries
- Petrochemical Plants
- Oilfields
- Fire Fighting Systems
- Off Shore
- Marine
- FGD Plants
- Power Station
- Mining
- Desalination
- Pharmaceutical
- Pulp and Paper
- Agriculture
- Sea Water Intake / Outfall lines
- Pickling Lines
- Potable / Sewer / Waste / Lines
- Industrial Water Lines



OUR SCOPE

- Production & Cost Feasibility
- Research & Development
- Offering
- Mobilization, Production, Delivery & Installation
- Design & Third party's check
- Construction & Detail Drawings
- Production (Mersin TR or Field Workshop)
- Spooling
- Material Testing
- Material Certification
- Training (customer & Enduser staff)
- Transportation Packing
- Transportation
- Lifting & Equipments
- Scaffolding & equipments
- Assembly-Field Installation



Sea port : 15 km, Mersin International Sea port
 Air port : 40 km, Adana Air port
 Location : Mersin Industrial Zone,
 (8 km Tarsus, 15 km Mersin, 40 km Adana Cities)

PIPE





Standard Length :
25 mm to 65 mm - 4 m
80 mm 4000 mm - 6 m (12 m available)
Joining System:
Butt (hand laminate) type
Adhesive Bonding Coupling type
Double "O" ring (Bell & Spigot or Coupling) type
Double "O" ring (Bell & Spigot or Coupling) Key-Lock type
Threaded End

FITTINGS





Dimensions:
Please check our
"Fitting dimension" catalogue

Joining System:
Butt (hand laminate) type
Adhesive Bonding Coupling type
Double "O" ring (Bell & Spigot or Coupling) type
Double "O" ring (Bell & Spigot or Coupling) Key-Lock type
Threaded Ends



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SPOOLING

Instead of loose components you may consider designing your pipe system with prefabricated sections. These are Tailor-made in the factory and include elbows,tees,reducers, flanges and so on.

These spools offer the following practical advantages.

- Shorter in built lengths
- Practically all spool can be tested in advance conditions
- Fast and Faultless assembly
- Weather conditions hardly effect installation proceeding





Spool Jointing Type:
Butt (hand laminate) type
Adhesive Bonding Coupling type
Double "O" ring (Bell & Spigot or Coupling) type
Double "O" ring (Bell & Spigot or Coupling) Key-Lock type
Fix or Loose Flanged type



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TANK





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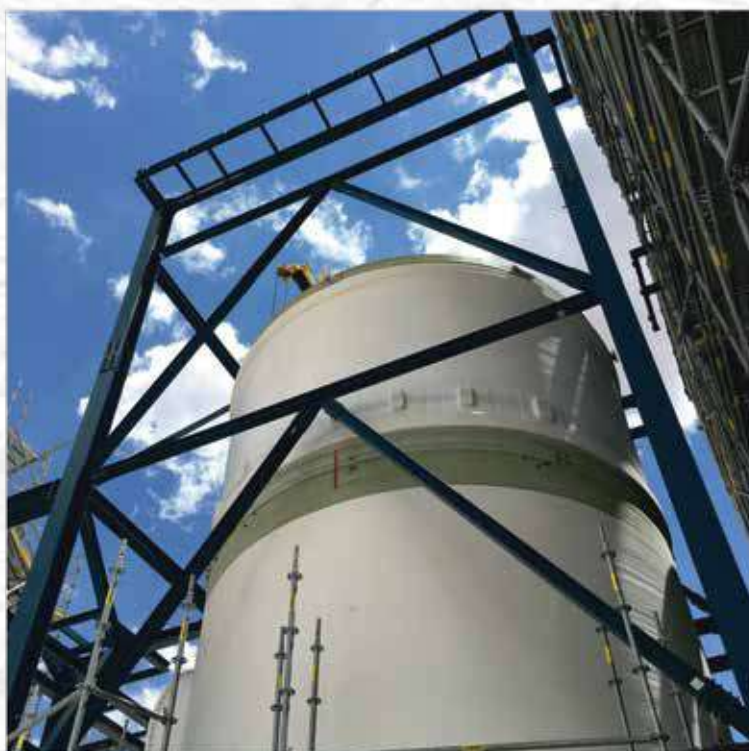
DUCTING

Made of GRP are also a ASUT domain.
We prove our authority in this in the course of redevelopment measures of flue gas ducts in Power, Chemical Plants and other Industries all over Turkiye and worldwide.
The most GRP ducts in Turkiye are ASUT made.
Normally long lengths of large diametre conduit are fabricated by joining individual section.





ABSORBER & COLUMN





- Type of Application for Column-Scrubber and Absorber**
- DeSox Plant (Flue Gas)
 - Gas Treatment Plant
 - Chemical Plants (Absorbtion Column)
 - Venturi
 - Electrofilter



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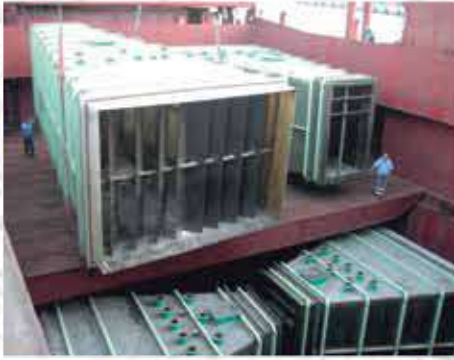
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CHIMNEY - STACK

Type of Application for Chimney-Stack

- DeSox Plant (Flue Gas)
- Gas Treatment Plant
- Chemical Plants







FIELD PRODUCTION & INSTALLATION

FIELD PRODUCTION & INSTALLATION

Our scope also Field Production,
We can use Horizontal and Vertical Winding Technology
Dimension from 4 m to 25 m diametre.





Our scope also Field Assembly (Installation),
Pipe line spooling
Recirculation & Spray Bank Installation
Pipe laying activities
Tank ,Duct, Scrubber, Stack & Chimney Installation

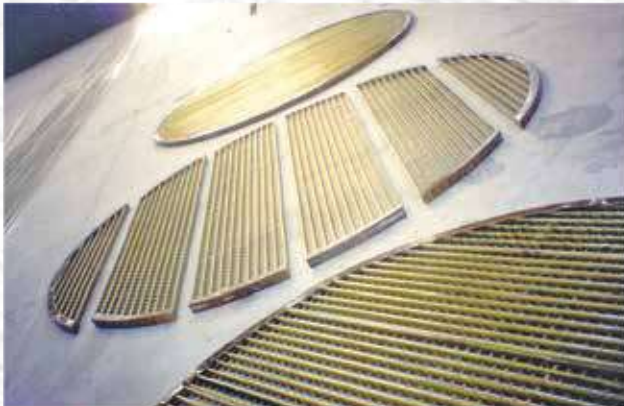
SPRAY BANK (ARM) & RECIRCULATION PIPING

Spray Bank and Recirculation piping lines are used in

- FGD Plants
- Chemical Plants
- Soda Ash Plants
- Cement Industry
- Refinery Industry



COLUMN INTERNAL & SPECIAL PRODUCTS



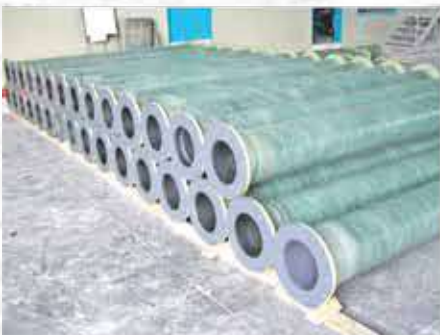
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FLUORO & THERMOPLASTIC LINER



FLUORO & THERMOPLASTIC LINER
ASUT wide production range including
Fluoro & Thermoplastic Liner Products.

- Pipe & Fittings
- Spray Bank
- Tank
- Duct
- Chimney
- Special equipments



SETTLER & COVER



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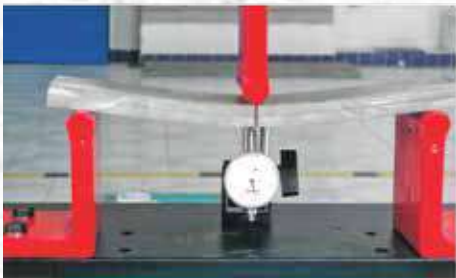
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TESTING and ENGINEERING

Testing;

- LT Hydrostatic Pressure
- ST Hydrostatic (Burst) Pressure
- Tensile (Rupture) Strength
- Modulus of Elasticity
- Axial Beam Bending
- Hoop (Deflection-Stiffness) Bending
- Barcol Hardness
- Glass Content
- Water Absorption



Pipe , Tank and all Equipments standards such as ;

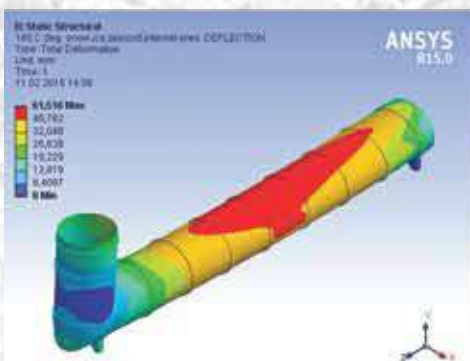
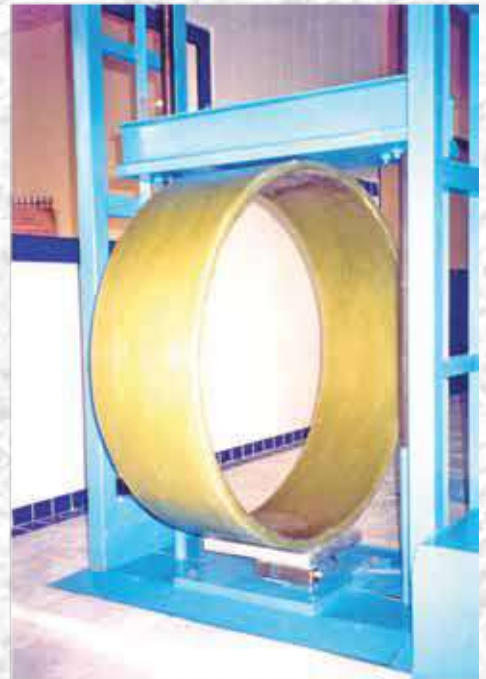
- | | | |
|-------------------|----------------|-----------|
| AD 2000 Merkblatt | ASTM 4021 | |
| API15 LR-HR | ASME SECTION X | BS 7159 |
| ASTM 2310 | ASME RTP-I | DIN 1055 |
| ASTM 2996 | AWWA C-950 | DIN 16965 |
| ASTM 3262 | AWWA M45 | DIN 16966 |
| ASTM 3299 | BS 4994 | DIN 18820 |
| ASTM 3517 | BS 5480 | ISO 14692 |
| ASTM 3754 | BS 6464 | UNI 9032 |



Engineering;

(AutoCAD - Catia - Inventor - Cosmo - Ansys - Ceasar2)

We provide Engineering consulting services in all aspects of pipe line, tank, absorber, stack, duct and all other any shaped equipments.



- Finite Element Method
- Finite Volume Method
- Fluid Flow Solution
- Computational Fluid Dynamics
- Structural Solution
- Vibration Prediction and Control
- Rigorous Static and Dynamic Stress Analysis
- Surge, Waterhammer analyses
- Stress Calculation
- Detail & Construction Drawings
- Isometric & Spooling Drawings



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AE&E / AUSTRIA - Environmental Tech.
 AFSIN B-POWER PLANT / TURKIYE - 4x380 MW Coal Power Plant
 AKBOR / TURKIYE - GRP Pipe Producer
 AKKIM / TURKIYE - Chemical Plants
 AKSA ENERGY / TURKIYE - Energy Power Co.
 ALARKO-ALSIM / TURKIYE -Project-Construction Co.
 ALIAGA PETRO KIMYA / TURKIYE - Petrochemical Plant
 ALKIM / TURKIYE - Chemical Plants
 (GE) ALSTOM POWER / SAR - Environmental Tech.
 (GE) ALSTOM POWER / ITALY - Environmental Tech.
 (GE) ALSTOM POWER / NORWAY - Environmental Tech.
 (GE) ALSTOM POWER / INDIA - Environmental Tech.
 (GE) ALSTOM CARBON / GERMANY - Environmental Tech.
 (GE) ALSTOM POWER / CHINA - Environmantal Tech.
 (GE) ALSTOM POWER / TURKIYE - Environmantal Tech.
 (GE) ALSTOM POWER / ROMANIA - Environmantal Tech.
 ALPAYDIN GÜBRE / TURKIYE - Fertilizer Plant
 ARBIOGAZ / TURKIYE - Environmental Tech.
 ARES TERSANECİLİK / TURKIYE - Shipyard
 ASTEC ENGINEERING / TURKIYE - Project Co.
 ATAS / TURKIYE - Petroleum Refinery
 ATILLA DOGAN / TURKIYE - Project-Construction Co.
 AQUA-TREAT / JORDAN - Environmental Tech.
 AQUITEC / BELGIUM - Environmental Tech.
 AQUAMATCH / TURKIYE - Environmental Tech.
 AZERBAJCAN MINING / AZERBAJCAN - Mining Co.
 BASER / TURKIYE - Chemical Plant
 BABCOCK & WILCOW / USA - Environmental Tech.
 BAGFAS / TURKIYE - Fertilizer Potash Plants
 BECHTEL / USA - Proiect Construction Com.
 BOZETTO / ITALY - TURKIYE - Textile Chemicals
 BOTAS / TURKIYE - Petroleum Pipe Line Com.
 BTC Co. / AZERBAJIAN - Petroleum Pipe Line Company
 CADDEL / USA - Project Construction Com.
 CAM ELYAF A.S. / TURKIYE - Glass Fibre Production Ind.
 CARGIL / TURKIYE - Chemical Plant
 CENGİZ GROUP / TURKIYE - Power Station and Chemical Plants
 CINKUR / TURKIYE - Zinc Lead Plant
 CORUS / HOLLAND - Strip Products
 DELTA BRANDS INC. / USA - Steel,Pickling Plants Project Com.
 DEMIRER / TURKIYE - Energy power& Cable producer
 ECE BORU / TURKIYE - GRP Pipe Producer
 EKSOY / TURKIYE - Textile Chemical Com.
 ENKA / TURKIYE - Project Construction Com.
 ENKA TEKNİK / TURKIYE - Project Construction Com.
 ENERJISA Enerji Üretim A.Ş. / TURKIYE - Power Station
 ENTROPIE / FRANCE - Desalination Plant Project Com.
 ERDEMİR / TURKIYE - Iron Steel Plant
 ESEN PLASTİK / TURKIYE - GRP Pipe Producer
 ETİBAKIR SAMSUN / TURKIYE - Coper Plant
 ETİBAKIR MAZIDAĞI / TURKIYE - Phosphat,Fertilezer,Sulphiric Acid Plant
 ETİBANK / TURKIYE - Borax Boric Acid Plant
 ETİ ALUMİNİUM / TURKIYE- Aluminium Plant
 ETİ SODA / TURKIYE - Natural Soda , Trona- Plant
 EVATHERM / SHITZERLAND- Evaporation & Crystallization Processing
 FERNAS / TURKIYE - Project Construction Com.
 FIBERPIPE / GERMANY - GRP Piping supplier
 FLUOR DANIEL / USA - Project Construction Com.
 FORTUM / FINLAND - Environmental Tech.
 GAMA / TURKIYE - Project Construction Com.
 GAMA POWER / TURKIYE - Power Stations Project Com.
 GAZİ METAL / TURKIYE - Iron and Steel Process Com.
 GEMONT / TURKIYE - Project Construction Com.
 GEZER ENDUSTRI / TURKIYE - Project Construction Com.
 GLANZSTOFF / AUSTRIA - Viscose Filament Yarns Com.
 GULERMAK / TURKIYE - Project Construction Com.
 HAMON RESEARCH / BELGIUM - Environmental Tech.
 HAMON RESEARCH / ITALY - Environmental Tech.
 HAMON THERMAL / GERMANY - Environmental Tech.
 HOLBROOK / DENMARK - Military Eqp. Supply Com.
 HOBAS / TURKIYE - GRP Pipe Producer Com.
 HIDRODİZAYN / TURKIYE - Environmental Tech.
 HITACHI / JAPAN - Project Construction Com.
 İSDEMİR / TURKIYE - Iron and Steel Process Com.
 İSKEN ENERGY / TURKIYE - Coal Energy Power Plant
 İSSİ / USA - Steel & Pickling Plants Project Com.
 İZOCAM / TURKIYE - Glasswool Production Plant
 JORDAN ARAB CO. / JORDAN - Fertilizer Potash Plant
 JPMC / JORDAN - Phosphat Mines Company
 KARADENİZ BAKIR / TURKIYE - Copper Plant
 KAWASAKI / JAPAN - Project Construction Com.
 KORUMA TARIM / TURKIYE - Chlorine Alkali Plants
 KOCH-GLITSCH / ITALY - Environmental Tech.
 KROMSAN / TURKIYE - BCS Chromic Acid Plant
 KURTUL MAKİNE MAK. / TURKIYE - Project Com.
 K+S KALI / GERMANY - Sodium Plant
 KVAERNER / FINLAND - Environmental Tech.
 MARUBENI / JAPAN - Project Construction Com.
 MNG-MAPA / TURKIYE - Project Construction Com.
 MITSUBISHI / JAPAN - Heavy Project Construction Com.
 NKK / JAPAN - Project Construction Com.
 NIPPON / JAPAN - Project Construction Com.
 NIROU CHLOR / IRAN - Chlorine & Chemicals Plant
 OUTOTEC / FINLAND - Environmental Tech.
 OXYVIT / TURKIYE - Vitamin-K Chemical Planlt
 PARKTERMİK AŞ- CİNER Group / TURKIYE - Coal Power Plant
 POLİN SU PARKLARI / TURKIYE - Pool Slides Producer
 POSCO / S.KOREA - Iron & Steel Plant
 BILLUR TUZ / TURKIYE - Salt Com.
 SNC LAVALIN / BELGIUM - Process Plant Construction Com.
 SODA SANAYİİ / TURKIYE - Sodium Carbonate Plants
 SODA LUKAVAC / BOSNA - Sodium Carbonate Plants
 SOLİOS / FRANCE - EnvironmentalTech.
 SPIG / ITALY - TURKIYE - Cooling Tower Project Company
 SPIG Babcock and Wilcox / ITALY - Cooling Tower Project Company
 SSL / BOSNA - Sodium Carbonate Plants
 STEULER / GERMANY - Environmental Tech.
 SUBOR / TURKIYE - GRP Pipe Producer
 SUNAR / TURKIYE - Corn Refining Industry
 SUPERLIT / TURKIYE - GRP Pipe Producer
 TAT METAL / TURKIYE - Iron Steel Plant
 TAT NIŞASTA / TURKIYE - Corn Amyl producer
 TEKFEN / TURKIYE - Project Construction Com.
 TEKSER / TURKIYE - Project Construction Com.
 TENOVA ADNACED TECH. / ITALY - Mining Process Tech.
 TEPE / TURKIYE - Project Construction Com.
 TOROS TARIM / TURKIYE - Fertilizer Potash Plants
 TOSYO TOYO / TURKIYE - Iron Steel Plant
 TURKISH PETROLEUM / TURKIYE - Petroleum Field Company
 TUPRAS / TURKIYE - Petroleum Refinery
 UMDE / TURKIYE - Construction Com.
 VICEM YACHTS / TURKIYE - Boat Motor Yacht Producer
 YATAĞAN TERMİK SANTRAL / TURKIYE - Power Plant
 YENİKÖY KEMERKÖY / TURKIYE - Power Plant
 YILDIZ HOLDING / TURKIYE - Iron Steel Plant
 YUKSEL / TURKIYE - Project Construction Com.