



# HIGH TECH GLASS FIBRE PRODUCTION PLANT



## Product

Assembled E-glass roving  
 Count of roving 2.400 tex  
 Diameter of filament 14 µm  
 Assembled on roving bobbin

## Capacity

Glass melting section 10.000 tons per year  
 Final product 8.000...8.500 tons per year

## Raw material

Limestone, kaolin, quartz powder, colemanite, boric acid, sodium sulfate

## Services

### Design of

- ▶ Technological, electrical and mechanical works
- ▶ Construction works
- ▶ Utilities

### Delivery of

- ▶ Machinery and utilities
- ▶ Prefabricated buildings
- ▶ Civil construction works

## General services

Supervision of erection and commissioning  
 Performance and acceptance tests  
 Training of staff  
 Technical assistance  
 Management assistance  
 Know how transfer for product design

## Plant design

### Batch plant

- ▶ Raw material infeed storage system
- ▶ Dosing and weighing system
- ▶ Blending and feeding unit

### Glass melting department

- ▶ Lay-in machine
- ▶ Melting furnace
- ▶ Heating system
- ▶ Bubbling plant
- ▶ Combustion air unit
- ▶ Cooling system
- ▶ Measuring, controlling and regulating system

### Processing technology

- ▶ Spinning and winding machinery
- ▶ Size preparatory plant
- ▶ Bobbin transport and drying system
- ▶ Roving winding machinery

### Utilities

- ▶ Air conditioning / ventilation plant
- ▶ Electrical installation
- ▶ Compressed air supply
- ▶ Water treatment plant
- ▶ Internal transport equipment
- ▶ Workshops
- ▶ Laboratories



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