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## [Ceramic Fiber Production Line \(Ceramic Fiber Machinery\)](#)

### **Ceramic Fiber Production Line (Ceramic Fiber Machinery)**

Ceramic fiber features light weight, low thermal conductivity, good resistance to acids and other corrosive chemicals. This aluminosilicate based refractory fiber offer reliable thermal insulation and it is quite suitable for refractory applications.

#### **Application of Ceramic Fiber Machinery**

Our high quality ceramic fiber production line can be used to make various ceramic fiber products, such as kiln insulation material, rope, blanket, board, textile, paper and moulded products.

#### **Application of Ceramic Fiber Products**

Ceramic fiber products are widely used in high temperature furnaces, heat shields, expansion joints, gaskets, etc. They are ideal for acoustical insulation, sealing, stress relieving, fire protection, and so on.

#### **Manufacturing Process**

Alumina and high purity silica are mixed together and melted at 1926°C. The molten substance is sheared and then attenuated into fibers. After that, a binder is added and the mixture is cured in the curing oven. The preformed fiber is then cooled and sawed to make the final high quality ceramic fiber products. Further treatment of the fiber product could also be conducted.

#### **Technical Parameter of Ceramic Fiber Production Line (Ceramic Fiber Machinery)**

Specification		
Type	For producing ceramic fiber	For producing needled blanket
Capacity	1000 tons - 3000 tons per year	1000 tons - 2000 tons per year
Raw material	Kaolin Clay, Resin	
Fuel	Coal, Coke, Natural gas, Diesel oil	

#### **Process Chart**

##### [Arc Furnace](#)

Our ceramic fiber production line uses high quality arc furnace to melt the raw materials. The molten raw materials are then poured into forming molds.

##### [Curing Oven](#)

Our curing oven has obtained patent. The pretreated wool is cured in the curing oven. In the meantime, additives could also be added selectively, so as to produce ceramic fiber board and blanket, etc.

##### **Cutting Machine**

Our ceramic fiber production line uses cutting machine to cut and saw formed products into desired dimension.

##### **Blanket Rolling Machine**

Blanket are rolled into a bundle on this machine.

##### **Packaging Machine**

The finished products are packed for delivery or shipment.

##### **Blanket Stitching Machine**

With the help of blanket stitching machine, blanket could be strengthened with glass fabric or wire mesh. The processed blanket enjoys higher strength.

##### **Pipe Rolling Machine**

Pipe section of ceramic fiber could be manufactured through using pipe rolling machine.

We are a premier manufacturer of ceramic fiber production line in China with over 30 years experience in mechanical manufacturing. Apart from complete production line, our expertise is also reputed in providing all range of technology upgrade and reinforcement.

Besides all kinds of insulation equipment such as rock wool, glass wool, ceramic fiber production line we are also leading in supplying material processing and handling equipment like plastic pipe making machine, roll forming machine, cranes etc.

If you want to know more detailed information, please feel free to contact.

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