



Product Example

- Graphite electrodes are conductive members of an electric steel-making furnace, which recycles scrap iron to manufacture steel products.
- Since graphite electrodes are used under high temperature and oxidation atmosphere, they require low electric resistivity and thermal shock resistance.
- The product is a large-size pillar-shaped graphite material with a maximum diameter of 800 mm and length of 3,000 mm.



Our technologies

■ High-temperature heat treatment technology

Raw materials are extruded, baked and then heat-treated at high temperature in a graphitizing furnace.

We have the know-how (energization schedule, inter-electrode connection method, protection of the furnace body from high heat, etc.) to control the properties of the final products and heat-treat the materials with good yield.



**Graphitization
Furnace**

