Magnesium oxide rotary kiln burner



Product introduction of the magnesium oxide rotary kiln burner:

Magnesium oxide rotary kiln burner is an industrial burner which produces magnesium oxide in rotary kiln equipment.

Magnesium oxide has heavy magnesium oxide, light magnesium oxide. There are a variety of production processes for magnesium oxide, such as, heavy magnesium oxide in the light burning and heavy burning. Light burning magnesium oxide: magnesite calcined magnesium compounds at 700~900℃, formed magnesium oxide, also known as active magnesium oxide. Heavy burning magnesia: calcined at above 1000 ℃.

The advantage of magnesium oxide rotary kiln burner:

1. Energy-saving burner, control the air distribution automatically to optimal, this reduces fuel incomplete combustion to avoid loss.
2. Usage of the preheater, make full use of the high temperature flue gas generated by the combustion of rotary kiln, preheat the materials and partially decompose the materials in the preheater, and increase the system output by 40% and thermal efficiency by 30%.
3. Usage of the cooler, make full use of the rotary kiln temperature calories to preheat the secondary air to 600 ℃, the heat efficiency was improved.
4. High level of automation, the adjustment, control and alarm of the production system operation adopts PLC centralized control in the main control room, less field operators, high labor efficiency.

Requested information for design of the magnesium oxide rotary kiln burner

1. Rotary kiln type;
2. Materials burned in the rotary kiln;
3. The rotary kiln dimension;
4. The furnace combustion ratio for pre-decomposition kiln;
5. Kiln rotary direction;
6. The center height for the rotary kiln(mm)(the distance between the platform and center of the rotary kiln)
7. Designed and actual output;
8. Designed and actual heat consumption;
9. Cooler type;
10. Fuel nature;
11. The burner assembling way;
12. The net wind fan model number, air volume (M3/min), boost (Kpa), motor power (KW), rotate speed (r/min) , pipe diameter(DN) for net fan and coal sending fan

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