

Alumina rotary kiln burner



Product introduction of the alumina rotary kiln burner:

Alumina rotary kiln burner is used to produce alumina in the rotary kiln industry. It is a multi-channel and multi-fuel burner developed by Generalflame using low NOx efficient combustion technology. Adopt unique nozzle design-several strands of airflow rotate around the fuel injection, a internal spiral air to insure sufficient mixing of fuel and air. By optimizing the nozzle design, the combustion of complex fuel is realized and the nitrogen oxide emission is reduced.

The burner developed by us has the advantage of high combustion efficiency, stable flame, good flexibility and strong comprehensive performance. It is a good choice for alumina rotary kiln equipment. A single burner can produce power up to 175MW, and can use with one fuel or several fuels, you can combine in multiple ways.

Main machine of burner:

1. Combustion air supply system
2. Moving forward and backward system;
3. Ignition system
4. Fuel delivery system
5. Control and monitoring systems

Strong R&D teamwork

With 50 experienced R&D engineers who will work on your modifications, moldings, mechanical engineering, 3D drawing and debugging etc.

Multi-channel gas burner nozzle for rotary kiln

CFD simulates the combustion of large thrust burners with swept secondary air

Axial swirl step-less adjustable multi-channel burner

Thrust vector nozzle:
diffusion and convergence

Thrust vector nozzle: rotate left & right