

Cement rotary kiln burner



Product introduction of cement rotary kiln burner:

Cement rotary kiln burner is an industrial burner used in cement production in rotary kiln equipment. Its quality affects the energy consumption, clinker output, fuel consumption and nitrogen oxide emission of cement rotary kiln. The cement rotary kiln burner developed by Generalflame can cope with different kiln types, fuel properties and technological requirements, and ensures sufficient mixing of primary and secondary winds, high combustion efficiency, strong thrust, supersonic wind speed, high flame, good rigidity, good stability, there would be no pulse (temper) phenomenon; The burning zone of kiln crust maintain uniform and stable state, the whole process is stable, strong, with good quality and high strength for the clinker. In addition, with "one kiln one design" as our service concept, Generalflame win the trust and support from cement plant customers, our burners can high-end match any kiln, and also equipped with professional engineers tracking services throughout.

The design parameters of cement rotary kiln burner are as follows:

- (1) Heating power of burner: 85 MW-135MW.
- (2) Heating capacity of the burner: 345GJ/ h-510GJ /h.
- (3) Coal injection amount of burner: 3t/h-30t/h.
- (4) Primary air consumption: 4%-5%.
- (5) Burner thrust: 523N-600N.
- (6) Burner relative momentum: 1300% m/s -1500% m/s .
- (7) Unit thermal thrust: 5.4N/MW-6N /MW.
- (8) Primary wind pressure: 49kPa-60kPa.
- (9) Primary wind speed: 140-460 m/s (adjustable non-pole).

Our advantage:

1. Strong R&D teamwork: With 50 experienced R&D engineers in-house who will work on your modifications, moldings, electromechanical engineering, 3D drawing, and software development services.
2. Advanced equipment and instruments
3. Imported raw materials with related brands
4. Strict quality control system:
 - A. Follow ISO9001 management system;
 - B. Company Inner quality control chart: Incoming quality control (IQC) --In process Quality Control (IPQC)--Outgoing QC (FQC) --Record and Solutions